

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF HEALTH AND SOCIAL SERVICES
DIVISION OF HEALTH AND MEDICAL SERVICES
SANITARY ENGINEERING SERVICES
STATE OFFICE BUILDING
CHEYENNE, WYOMING 82001

1. PROJECT: Ivinson Memorial Hospital, Equipment List, Laramie, Wyoming
Project No. Wyoming 39
2. ARCHITECT OR ENGINEER: Submitted by Albany County Hospital District, Ivinson
Memorial Hospital, Laramie, Wyoming
3. SANITARY ENGINEERING SERVICES REF. NO.: 73-1
4. REVIEWING ENGINEER: Joseph R. Tynsky, P.E.
5. DATE OF REVIEW: January 3, 1973
6. ACTION: Reviewed for compliance with State standards
7. COMMENTS:

Reviewer has been through the complete equipment list. Obvious effort has been made by designer/specifier of major and minor movable equipment to utilize on-hand items, complemented extensively as required by new equipment, noted as being provided by established suppliers and manufacturers. It occurs to suggest that a condition checklist might be made to insure that reused items fully meet users' requirements.

In addition to manufacturer's guarantees, it occurs to point out the prerequisite operation calibration required of all x-ray equipment. This will require a statement of the completed execution of this calibration/collimation. Client should also institute a careful training familiarization program on specialized x-ray (and any equipment for which operation and maintenance characteristics may be dissimilar or novel to the facility), to insure proper utilization. In such instances specific maintenance and operation manuals would seem to be in order from the manufacturer.

In the continued operation of x-ray equipment it is the understanding of the reviewer that Medicaid Funding stipulates an annual state executed operational inspection of all x-ray equipment, according to the operating standards promulgated by the National Council on Radiation Protection.

JRT:cw

b-5-1c

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF HEALTH AND SOCIAL SERVICES
DIVISION OF HEALTH AND MEDICAL SERVICES
SANITARY ENGINEERING SERVICES
STATE OFFICE BUILDING
CHEYENNE, WYOMING 82001

1. PROJECT: Sinks Canyon Visitor Center, Sinks Canyon State Park, Fremont County, Wyoming
2. ARCHITECT OR ENGINEER: Paul C. Schwieger, Wyoming Recreation Commission, Cheyenne, Wyoming
3. SANITARY ENGINEERING SERVICES REF. NO.: 73-2
4. REVIEWING ENGINEER: Robert H. Pinther, P.E.
5. DATE OF REVIEW: January 12, 1973
6. ACTION: Not Approved
7. COMMENTS:

SEWAGE DISPOSAL SYSTEM

1. To prevent undetectable (below-ground) overflow of liquid sewage from the disposal facilities extend the plastic membrane up to ground level around the periphery of each evaporating field and bring the raw sewage line into each unit at an elevation which is above the spill line of the water-tight retention facility formed by the plastic membrane.
2. The "fill" on the downgrade side of each evaporating field shall be constructed in such a manner as to prevent leakage and/or movement of the dam under the conditions to be encountered.
3. If practical, the sewage disposal facility should be re-oriented to obtain a separation of at least 50 Feet from the river overflow channel. It appears that this may be accomplished by re-locating the far end so that its nearest distance to the river is not less than 50 feet.
4. In backfilling around the plastic sewer line the earth surrounding the sewer pipe shall be compacted to at least 95% of maximum density.

WATER SYSTEM

1. To minimize the possibility of flooding the well vault, provide a two inch floor drain which discharges above grade.
2. If the aforementioned above grade discharge from the well vault floor drain cannot be provided, extend the well casing vent to a point at least two feet above ground level.

Sinks Canyon Visitors Center
Sinks Canyon State Park
Fremont County, Wyoming
San. Engrg. Ref. No.: 73-2

2

January 12, 1973

WATER SYSTEM (cont.)

3. The sanitary well seal shall make a water-tight seal at the point where the electric cable for the well pump passes through.
4. Submit a description of the chlorinator and fitting through which the chlorine solution is to be injected.

NOTE: The chlorinator shall be a positive acting mechanically driven device and the chlorine shall be introduced to the water line through a fitting which will not be corroded by chlorine solution, i.e., plastic, glass, or silver alloy.

5. Provide a fitting in the well pump discharge line which is corrosion resistant as mentioned in "4" above and can be used for the introduction of chlorine at the well if necessary in the future. The well house should otherwise, also, be arranged so that a chlorinator can be easily installed at that location.
6. Provide an overlapping manhole cover for the well vault access opening or raise the existing manhole as per our discussion by phone on January 12, 1973.
7. Revise the water booster pumping system to avoid the development of a negative pressure in any buried water line.
8. The electrical water level control wiring shall be brought into the non-pressurized storage tank through a water-tight connection located above ground level. A cone dult welded into the access manhole wall or cover with its opening facing downward and sealed around wire will be satisfactory.
9. To avoid flooding of the sewage disposal system this tank should not overflow to the sanitary sewerage system as proposed.

NOTE: If the overflow and vent for the non-pressurized storage tank are to be combined and located in the access manhole wall, a satisfactory concrete splash trough shall be provided to carry the overflow water away from the tank.

10. Provide a raw water sampling valve at the well.
11. The operation of the chlorinator shall be synchronized with the operation of the booster pump.
12. All buried water lines shall be located at least 18 inches above sewers at points where they cross.

RHP:ijt
1-15-73

cc: William George, District Sanitarian, Worland

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WYOMING DEPARTMENT OF HEALTH AND SOCIAL SERVICES
DIVISION OF HEALTH AND MEDICAL SERVICES
SANITARY ENGINEERING SERVICES
STATE OFFICE BUILDING
CHEYENNE, WYOMING 82001

1. PROJECT: Sinks Canyon Visitor Center, Sinks Canyon State Park, Fremont County, Wyoming
2. ARCHITECT OR ENGINEER: Paul C. Schwieger, State Recreation Engineer, Wyoming
Recreation Commission, Cheyenne, Wyoming
3. SANITARY ENGINEERING SERVICES REF. NO.: 73-2R
4. REVIEWING ENGINEER: Arthur E. Williamson, P.E.
5. DATE OF REVIEW: January 22, 1973
6. ACTION: Approved
7. COMMENTS:

AEW: CW

1 set approved plans returned to Recreation Comm. under separate cover

cc: William George, District Sanitarian, Worland

Book

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WYOMING DEPARTMENT OF HEALTH AND SOCIAL SERVICES
DIVISION OF HEALTH AND MEDICAL SERVICES
~~SANITARY ENGINEERING SERVICES~~
STATE OFFICE BUILDING
CHEYENNE, WYOMING 82001

1. PROJECT: Wyoming Recreation Commission, Sinks Canyon Visitors Center Water Supply System, Fremont County, Wyoming
2. ARCHITECT OR ENGINEER: Robert Drobish, Wyoming Recreation Commission
604 East 25 th Street, Cheyenne, Wyoming
3. ~~SANITARY ENGINEERING SERVICES~~ REF. NO.: 73-2RR
4. REVIEWING ENGINEER: William L. Garland, P.E.
5. DATE OF REVIEW: August 30, 1973
6. ACTION: Authorized for construction
7. COMMENTS: To be constructed as outlined in original plans with the exception of relocation of well site.

WLG:mp

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DIVISION OF HEALTH AND MEDICAL SERVICES
SANITARY ENGINEERING SERVICES
STATE OFFICE BUILDING
CHEYENNE, WYOMING 82001

1. PROJECT: Glendo State Park, Reno Cove Water System, Platte County, Wyoming
2. ARCHITECT OR ENGINEER: Paul C. Schwieger, Wyoming Recreation Commission, Cheyenne
3. SANITARY ENGINEERING SERVICES REF. NO.: 73-3
4. REVIEWING ENGINEER: Robert H. Pinther, P.E.
5. DATE OF REVIEW: January 23, 1973
6. ACTION: Approved with comments
7. COMMENTS:
 1. Provide a well casing vent which connects to the well casing or passes through the sanitary seal in a watertight manner. It shall terminate in a 16 mesh copper screened inlet facing downward and located near the ceiling of the well pit.
 2. The retrieve cable and pump electric cable shall both enter the well casing through watertight connections.
 3. Slope ground surface away from the well for a distance of at least 50 feet in all directions.

RHP:ijt

Enclosure: One set of APPROVED WITH COMMENTS" plans

cc: Malcolm Crawford, District Sanitarian, Gillette

beef

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF HEALTH AND SOCIAL SERVICES
DIVISION OF HEALTH AND MEDICAL SERVICES
SANITARY ENGINEERING SERVICES
STATE OFFICE BUILDING
CHEYENNE, WYOMING 82001

1. PROJECT: South Big Horn County Sanitary Landfill, Big Horn County, Basin, Wyoming
2. ARCHITECT OR ENGINEER: John W. Donnell, Consulting Engineer, P.O. Box 13, Worland 82401
3. SANITARY ENGINEERING SERVICES REF. NO.: 73-4
4. REVIEWING ENGINEER: Robert H. Pinther, P.E.
5. DATE OF REVIEW: January 23, 1973
6. ACTION: Approved with Comments
7. COMMENTS:
 1. This review covers the following:
 - A. Plans for Development, Use and Maintenance of County Landfill, Big Horn County, Wyoming
 - B. Management Plan
 - C. Two sheet plan entitled "Proposed Sanitary Landfill, South Big Horn County"
 2. The depth of each fill layer should be limited only by the proposed depth of the fill lift and the necessity for daily cover with six inches of compact earth.
 3. Keep a record of: (1) Type and location of all deposited solid wastes; (2) Number of lifts and depth of each; (3) original and final terrain description (4) Type and location of any pollution controls.

RHP:ijt

cc: William George, District Sanitarian, Worland
Ban Stark, BLM, Worland
Big Horn County Commissioners, Basin
Town of Basin, Basin
Town of Greybull, Greybull

hook

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF HEALTH AND SOCIAL SERVICES
DIVISION OF HEALTH AND MEDICAL SERVICES
SANITARY ENGINEERING SERVICES
STATE OFFICE BUILDING
CHEYENNE, WYOMING 82001

1. PROJECT: Cattle Inc. Feed Lot, Powell, Wyoming
2. ARCHITECT OR ENGINEER: None indicated; submitted by A. Leon Miller
Cattle Inc., P.O. Box 1159, Powell, Wyoming 82435
3. SANITARY ENGINEERING SERVICES REF. NO.: 73-5
4. REVIEWING ENGINEER: Robert H. Pinther
5. DATE OF REVIEW: February 20, 1973
6. ACTION: Reviewed for compliance with "Guidelines for Controlling
Pollution from Livestock Feeding Operations".
7. COMMENTS:

1. The feed lot drainage area including the silo, mill and office area appears to be about 4,650,000 sq. ft. rather than 4,150,000 sq. ft. as shown on the plans.

2. A settling pond is not provided ahead of each retention pond (lagoon). The surface area of such settling pond, if provided, should be sufficient to reduce the flow velocity below one foot per second to allow settling of solids.

3. In lieu of the aforementioned settling ponds, it is recommended that the design volume of the retention ponds (lagoons) be increased by 10% above the volume set forth below.

4. If preceded by settling ponds, the total volume of the retention ponds (lagoons) should be sufficient to hold the maximum amount of rainfall that might occur in a 24 hour period of frequency of once in 10 years. This maximum rainfall in the area five miles west of Powell is 1.8 inches. Using this rainfall and a drainage area of 4,650,000 sq.ft. (see Comment #1) it is determined that the required retention pond (lago n) volume is 1,172,000,000 cu. inches.

5. No details of the retention ponds (lagoons) dikes are given. It is recommended that a slope of 3 horizontal to one vertical be provided, the top be 8 feet wide, and that a spillway be provided at least 1 foot below the top.

6. Means should be provided for disposing of the contents of the lagoons by irrigation or through spreader ditches. The lagoons should be emptied as soon as possible after each rain to maintain storage capacity for subsequent runoff.

Cattle Inc. Feed Lots
Powell, Wyoming
Sanitary Engineering
Ref. No. 73-5

2 of 2 pages

RHP:edac

Enclosure: Returning one set of plans to Mr. A. Leon Miller

cc: District Sanitarian, District II, Worland, Wyoming

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WYOMING DEPARTMENT OF HEALTH AND SOCIAL SERVICES
DIVISION OF HEALTH AND MEDICAL SERVICES
SANITARY ENGINEERING SERVICES
STATE OFFICE BUILDING
CHEYENNE, WYOMING 82001

1. PROJECT: Curt Gowdy State Park, Water Well and Hand Pump, Laramie, County, Wyo.
2. ARCHITECT OR ENGINEER: Paul Schweiger, P.E., Wyoming Recreation Commission.
Submitted by Malcolm Marton, Wyoming Recreation Commission
Cheyenne, Wyoming
3. SANITARY ENGINEERING SERVICES REF. NO.: 73-6
4. REVIEWING ENGINEER: Frank R. Harman, PE.
5. DATE OF REVIEW: January 15, 1973
6. ACTION: Approved
7. COMMENTS:

FRH:ijt
1-15-73

cc: Don Pack, Sanitarian, City-County Health Unit, Cheyenne

Two sets plans.

hook

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF HEALTH AND SOCIAL SERVICES
DIVISION OF HEALTH AND MEDICAL SERVICES
SANITARY ENGINEERING SERVICES
STATE OFFICE BUILDING
CHEYENNE, WYOMING 82001

1. PROJECT: Kiewit Addition Sewer Extension, Sheridan, Wyoming
2. ARCHITECT OR ENGINEER: None indicated; submitted by Art Elkins, City Clerk
City of Sheridan, City Hall, Sheridan, Wyoming 82801
3. SANITARY ENGINEERING SERVICES REF. NO.: 73-7
4. REVIEWING ENGINEER: Frank R. Harman, P.E.
5. DATE OF REVIEW: January 31, 1973
6. ACTION: Approved
7. COMMENTS:

cc: District Sanitarian, District III, Gillette, Wyoming

Note: Returning 2 sets of approved plans to Art Elkins, City Clerk
under separate cover.

WYOMING DEPARTMENT OF HEALTH AND SOCIAL SERVICES
DIVISION OF HEALTH AND MEDICAL SERVICES
SANITARY ENGINEERING SERVICES
STATE OFFICE BUILDING
CHEYENNE, WYOMING 82001

1. PROJECT: Wyoming Highway Department, Guernsey Rest Area, Platte County Wyoming
2. ARCHITECT OR ENGINEER: W. G. Lucas, Superintendent and Chief Engineer, Wyoming Highway Department, Cheyenne, Wyoming
3. SANITARY ENGINEERING SERVICES REF. NO.: 73-8
4. REVIEWING ENGINEER: Robert H. Pinther, P.E.
5. DATE OF REVIEW: January 29, 1973
6. ACTION: Not Approved
7. COMMENTS:
 1. Provide 100 gallons of additional water storage volume following chlorination and prior to consumption. This additional storage may consist of one or more tanks, each of which are filled completely with water at all times and located in series in the line beyond the hydro-pneumatic pressure tank.
 2. Provide an outside water-tight casing around the buried water suction line from the 5,000 gallon water storage tank to the booster pump which pumps to the 315 pressure tank.
NOTE: Alternate construction would involve location of the booster pump above ground at the 5,000 gallon water storage tank.
 3. Re-located or re-oriented the 5,000 gallon water storage tank to obtain a horizontal separation of at least 50 feet from the sewage treatment plant.
 4. Provide the 5,000 gallon water storage tank with a manhole cover of the overlapping type. The manhole shall extend at least 24 inches above ground level and the cover shall extend downward around the manhole's sides a distance of at least 2 inches. A satisfactory locking device shall be provided.
 5. Re-located the probe wire openings to a point at least 12 inches above ground level in the manhole at the 5,000 gallon storage tank. The opening around the wires shall then be dust tight.
 6. It is understood that the baffle at the water inlet in the 315 gallon water pressure tank will be reversed in order to make the water travel a longer distance in the tank and thus obtain more chlorine contact time.
 7. Provide a water sampling tap at each well.

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WYOMING DEPARTMENT OF HEALTH AND SOCIAL SERVICES
DIVISION OF HEALTH AND MEDICAL SERVICES
SANITARY ENGINEERING SERVICES
STATE OFFICE BUILDING
CHEYENNE, WYOMING 82001

1. PROJECT: Wyoming Highway Department, Guernsey Rest Area, Platte County Wyoming
2. ARCHITECT OR ENGINEER:
3. SANITARY ENGINEERING SERVICES REF. NO.: 73-8
4. REVIEWING ENGINEER:
5. DATE OF REVIEW:
6. ACTION: Not Approved
7. COMMENTS: continued
8. All backfill around plastic pipe shall be compacted up to the top of the pipe to a density of at least 95%
9. Plastic water lines should be "snaked" slightly in the trench to allow for expansion and contraction.

RHP:ijt

cc: Malcolm Crawford, District Sanitarian, Gillette

hook

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WYOMING DEPARTMENT OF HEALTH AND SOCIAL SERVICES
DIVISION OF HEALTH AND MEDICAL SERVICES
SANITARY ENGINEERING SERVICES
STATE OFFICE BUILDING
CHEYENNE, WYOMING 82001

1. PROJECT: Wyoming Highway Department, Guernsey Rest Area, Platte County, Wyoming
2. ARCHITECT OR ENGINEER: W. G. Lucas, Superintendent & Chief Engineer Wyoming Highway Department, Cheyenne, Wyoming
3. SANITARY ENGINEERING SERVICES REF. NO.: 73-SR
4. REVIEWING ENGINEER: Robert E. Pinther, P.E.
5. DATE OF REVIEW: February 14, 1973
6. ACTION: Approved with comments
7. COMMENTS:

This review pertains to Mr. Lucas' letter of February 2, 1973 covering the nine comments in our plan review number 73-S, dated January 29, 1973. As per our telephone conversation of February 14, 1973, with Mr. Howard Guill, it is understood that the following additional steps will be taken:

1. As per comment 4 of our review, the manhole cover for the 5000 gallon water storage tank will extend downward around the sides of the manhole a distance of at least 2 inches.
2. As per comment 5 of our review, the probe wire openings in the manhole at the 5000 gallon water storage tank will be sealed around the wires to prevent the entrance of dust and other contamination.
3. Revised plans and specifications covering the changes outlined above, as well as in Mr. Lucas' letter will be submitted to this Department.

RHP:dac

cc: Malcolm Crawford, District Sanitarian, District III, Gillette, Wyo.

hook

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF HEALTH AND SOCIAL SERVICES
DIVISION OF HEALTH AND MEDICAL SERVICES
SANITARY ENGINEERING SERVICES
STATE OFFICE BUILDING
CHEYENNE, WYOMING 82001

1. PROJECT: Wyoming Highway Department, Guernsey Rest Area, Platte County, Wyoming
2. ARCHITECT OR ENGINEER: W. G. Lucas, Superintendent & Chief Engineer, Wyoming Highway Department, Cheyenne, Wyoming
3. SANITARY ENGINEERING SERVICES REF. NO.: 73-8RR
4. REVIEWING ENGINEER: Robert H. Pinther, P.E.
5. DATE OF REVIEW: March 16, 1973
6. ACTION: Approved with comments
7. COMMENTS:

1. In order to reduce "short circuit" flow between the inlet and outlet lines of the 100 gallon retention tank, the inlet and outlet should be located as far apart as possible or a baffle provided at the inlet similar to the baffle provided in the 315 gallon pressure tank.

2. Provide one or more chlorine test kits capable of determining no greater than 0.2 parts per million up to 2 parts per million and in increments no greater than 2 parts per million from 2 to 10 parts per million. The test kit with a range up to 2 parts per million should be used for testing the water and the other for testing the treated sewage leaving the chlorine contact tank.

RHP:dac

cc: District Sanitarian, District III, Gillette, Wyoming

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WYOMING DEPARTMENT OF HEALTH AND SOCIAL SERVICES
DIVISION OF HEALTH AND MEDICAL SERVICES
SANITARY ENGINEERING SERVICES
STATE OFFICE BUILDING
CHEYENNE, WYOMING 82001

1. PROJECT: Dogpatch Trailer Park, Glenrock, Wyoming
2. ARCHITECT OR ENGINEER: None indicated; submitted by Mr. Fred "B" Thatcher, President, Thatcher & Sons, Inc. Glenrock, Wyoming
3. SANITARY ENGINEERING SERVICES REF. NO.: 73-9
4. REVIEWING ENGINEER: Robert H. Pinther
5. DATE OF REVIEW: February 16, 1973
6. ACTION: Not approved
7. COMMENTS:
 1. Each unit shall abut on a driveway not less than 20 feet in width which shall have unobstructed access to a public street or highway.
 2. Indicate the size and materials of construction of all water and sewer lines.
 3. Provide a horizontal separation of at least 25 feet between all water lines and septic tanks or drainfields.
 4. Provide a horizontal separation of at least 10 feet between all buried water and sewer lines.
 5. Submit details of typical water and sewer connections.
Note: Maintain a minimum of 4 foot separation between water and sewer riser pipes.
 6. Submit complete details of a typical trailer sewage disposal system. This shall include but not necessarily be limited to the following:
 - a. Dimentioned plan and elevation view of septic tank showing baffles, access manhole, inlet and outlet pipes and depth of bury.
 - b. Cross-section and longitudinal view of a typical drainfield line.
 - c. Maintain a distance of at least 6 feet between all drainfield lines.

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WYOMING DEPARTMENT OF HEALTH AND SOCIAL SERVICES
DIVISION OF HEALTH AND MEDICAL SERVICES
SANITARY ENGINEERING SERVICES
STATE OFFICE BUILDING
CHEYENNE, WYOMING 82001

1. PROJECT: Dogpatch Trailer Park, Glenrock, Wyoming
2. ARCHITECT OR ENGINEER: None indicated; submitted by Mr. Fred "B" Thatcher, President, Thatcher & Sons, Inc., Glenrock, Wyoming
3. SANITARY ENGINEERING SERVICES REF. NO.: 73-9
4. REVIEWING ENGINEER: Robert H. Pinther, P.E.
5. DATE OF REVIEW: February 16, 1973
6. ACTION: Not approved
7. COMMENTS: (Continued)

d. Submit the results of percolation tests or other adequate data on which the length of the drainfield lines is based. Percolation tests shall be conducted as outlined in Appendix A of the bulletin with this Department, entitled, "Minimum Standards for Private Sewage Disposal Systems". A copy of this bulletin is enclosed.

7. Provide fly tight and rust resistant refuse containers stabilized in the upright position within 100 feet of each unit space.
8. Provide restroom facilities for emergency use.
9. Provide adequate area night lighting.
10. Specify that all electrical shall be in compliance with the National Electrical Code.

Enclosures (3)

cc: Malcolm Crawford, District Sanitarian, District III, Gillette

RHP:dac

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WYOMING DEPARTMENT OF HEALTH AND SOCIAL SERVICES
DIVISION OF HEALTH AND MEDICAL SERVICES
SANITARY ENGINEERING SERVICES
STATE OFFICE BUILDING
CHEYENNE, WYOMING 82001

1. PROJECT: Dogpatch Trailer Park, Glenrock, Wyoming
unit space addition
2. ARCHITECT OR ENGINEER: None indicated; submitted by Mr. Fred "B" Thatcher, President, Thatcher & Sons, Inc.
P.O. Box 688, Glenrock, Wyoming 82637
3. SANITARY ENGINEERING SERVICES REF. NO.: 73-9R
4. REVIEWING ENGINEER: Robert H. Pinther, P.E.
5. DATE OF REVIEW: April 6, 1973
6. ACTION: Approved with Comments
7. COMMENTS:

As per our telephone conversation of April 2, 1973, it is understood that the following changes will be incorporated in the plans:

1. The gas trap in the sewer line at the septic tank inlet will be eliminated.
2. The inlet baffle of the septic tank will penetrate at least six inches below the liquid level in the tank.
3. The septic tank discharge line will not drop three feet vertically (as shown on the third sheet of the plans) prior to entering the drainfield, but will remain essentially at the elevation of the invert of the tank outlet except for the slopes as shown on the detail sheet of the plans.
4. There will be at least six inches of clean gravel (devoid of fines) below the invert of the perforated sewer tile.
5. A horizontal distance of at least six feet will be maintained between all present and existing drainfield lines.
6. All plastic water lines will be of the non-toxic type bearing the seal of approval of the National Sanitation Foundation.
7. All electrical work and materials will be in compliance with the State Electrical Code.

RHP:ijt

cc: Malcolm Crawford, District Sanitarian, Gillette
Ed Bradley, State Fire Marshal, Cheyenne

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WYOMING DEPARTMENT OF HEALTH AND SOCIAL SERVICES
DIVISION OF HEALTH AND MEDICAL SERVICES
SANITARY ENGINEERING SERVICES
STATE OFFICE BUILDING
CHEYENNE, WYOMING 82001

1. PROJECT: Trumble Trailer Court, 5 unit spaces, Lot 3, Block 1, Rio Vista Section 1 Green River (Sweetwater County) Wyoming
2. ARCHITECT OR ENGINEER: None. Submitted by Owners, Mr. and Mrs. Howard Trumble, Box 105, Green River, Wyoming 82935
3. SANITARY ENGINEERING SERVICES REF. NO.: 73-10
4. REVIEWING ENGINEER: Joseph R. Tynsky, P.E.
5. DATE OF REVIEW: January 23, 1973
6. ACTION: Approved with comments
7. COMMENTS:
 1. Owner is required to coordinate his water service connection with utility owner to insure adequate connection.
 2. Owner is required to execute and secure applicable permits and meet any local Sweetwater County restrictions with respect to facilities and land use of this type.
 3. Owner shall designate one trailer as that unit capable of providing emergency toilet facilities to park occupants.
 4. The large size of individual spaces is sufficient to provide the 100 square feet per space playground area required.
 5. When owner levels the lower corner which he indicates he will do prior to constructing sewage disposal leach fields, he should be aware of the altered percolation rate in such compacted soil, and evaluate his design accordingly. Also, owner should determine where toe of backslope fill will fall, to insure that highway right-of-way encroachment is not realized.
 6. Refuse disposal should be considered managed to the extent that applicable State law is not violated, e.g. no open burning, one-half mile from public roadway or inhabited dwelling, no water pollution and, finally, assurance that County land use restrictions are met. Disposal at any approved site, such as Green River, is advisable.
 7. Owner is requested to notify this office (or Rock Springs Office, Telephone 362-5674) when water supply is complete and ready for service. At that time an initial, and subsequent quarterly, water sample is required executed.

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SANITARY ENGINEERING SERVICES
STATE OFFICE BUILDING
CHEYENNE, WYOMING 82001

1. PROJECT: Trumble Trailer Court, 5 unit spaces, Lot 3, Block 1, Rio Vista Section 1
Green River (Sweetwater County) Wyoming
2. ARCHITECT OR ENGINEER:
3. SANITARY ENGINEERING SERVICES REF. NO.: 73-10
4. REVIEWING ENGINEER:
5. DATE OF REVIEW:
6. ACTION: Approved with comments
7. COMMENTS: (cont.)
7. (cont.) As it is not to be chlorinated, this can be done at the Rock Springs
District Office.

JRT:ijt

cc: Phillip Hughes, District Sanitarian, Rock Springs
Ed Bradley, State Fire Marshal, Cheyenne
Enclosure
Board of County Commissioners, Sweetwater County, Green River
Mrs. Bernice Shedden, Rio Vista Homesites & Water Service, Green River

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WYOMING DEPARTMENT OF HEALTH AND SOCIAL SERVICES
DIVISION OF HEALTH AND MEDICAL SERVICES
SANITARY ENGINEERING SERVICES
STATE OFFICE BUILDING
CHEYENNE, WYOMING 82001

1. PROJECT: Trumble Trailer Ct., 5 Unit Spaces, Lot 3, Block 1, Rio Vista Section 1, Green River (Sweetwater Co) Wyoming
2. ARCHITECT OR ENGINEER: None Submitted by owner, Mr. and Mrs. Howard Trumble, Box 105, Green River, Wyoming 82935
3. SANITARY ENGINEERING SERVICES REF. NO.: 73-10R
4. REVIEWING ENGINEER: Joseph R. Tynsky
5. DATE OF REVIEW: January 30, 1973
6. ACTION: Approved
7. COMMENTS: Routine bacteriological surveillance conducted by Rio Vista utility is sufficient to cover bacteriological surveillance, provided that random systems sampling occasionally gets a sample from this proposed court.

JRT:dac

cc: District Sanitarian, District 1, Rock Springs

Bernie Shedden, Manager
Rio Vista Homesites and Water Service
Green River, Wyoming 82935

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WYOMING DEPARTMENT OF HEALTH AND SOCIAL SERVICES
DIVISION OF HEALTH AND MEDICAL SERVICES
SANITARY ENGINEERING SERVICES
STATE OFFICE BUILDING
CHEYENNE, WYOMING 82001

1. PROJECT: Trumble Trailer Court, 5 unit spaces, Lot 3, Block 1, Rio Vista Section 1, Green River (Sweetwater County) Wyoming
2. ARCHITECT OR ENGINEER: None. Submitted by owner, Mr. and Mrs. Howard Trumble, Box 105, Green River, Wyoming 82935
3. SANITARY ENGINEERING SERVICES REF. NO.: 73-10RR
4. REVIEWING ENGINEER: Joseph R. Tynsky, P.E.
5. DATE OF REVIEW: June 4, 1973
6. ACTION: Approved with Comment
7. COMMENTS:

If owner executes a three line leach field, each line of which is 60' as shown on the drawing, the percolation rate of 7.5 min./inch would adequately serve a dwelling unit. Wash water effluent is not precisely clear from the drawing. This effluent is also sanitary waste and should be included in the leach field. Leach field users usually tend to realize the limits on the amount of water that they can use, and use water accordingly.

JRT:ijt

cc: District Sanitarian, District 1, Rock Springs

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WYOMING DEPARTMENT OF HEALTH AND SOCIAL SERVICES
DIVISION OF HEALTH AND MEDICAL SERVICES
SANITARY ENGINEERING SERVICES
STATE OFFICE BUILDING
CHEYENNE, WYOMING 82001

1. PROJECT: Town of Ten Sleep, Proposed Sanitary Landfill, Ten Sleep, Wyoming
2. ARCHITECT OR ENGINEER: John W. Donnell, Consulting Engineer, P.O. Box 13
Worland, Wyoming 82401
3. SANITARY ENGINEERING SERVICES REF. NO.: 73-11
4. REVIEWING ENGINEER: Robert H. Pinther, P.E.
5. DATE OF REVIEW: January 22, 1973
6. ACTION: Approved with Comments
7. COMMENTS:

1. This review covers the following:

- A. a two-sheet plan entitled "Sanitary Landfill Site"
 - B. Management Plan
 - C. Plans for Development, Use, and Maintenance of Municipal Sanitary Landfill
2. Since the soil at the proposed landfill site is very compact as evidenced by the auger refusals at depths of 1 to 2 feet* it should be determined that earth moving equipment will be available which is capable of economically excavating the required trenches.
 3. The depth of each fill layer should be limited only by the trench depth and the necessity for a 6 inch daily earth cover.

*See enclosed U.S. Soil Conservation Service Report, Subject: ENG-
Geology 16 - Ten Sleep Sanitary Landfill, June 21, 1972, Site #1.

RHP:ijt
Enclosure

cc: Bill George, District Sanitarian, Worland
Don Stark, Bureau of Land Management, P.O. Box 119, Worland
Town of Ten Sleep, Ten Sleep

back

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF HEALTH AND SOCIAL SERVICES
DIVISION OF HEALTH AND MEDICAL SERVICES
SANITARY ENGINEERING SERVICES
STATE OFFICE BUILDING
CHEYENNE, WYOMING 82001

1. PROJECT: Deer Creek Campground, 45 Unit Spaces, Glenrock (Converse County), Wyoming
2. ARCHITECT OR ENGINEER: None: Submitted by Owner, John C. Field, Box 615, Glenrock, Wyoming 82637
3. SANITARY ENGINEERING SERVICES REF. NO.: 73-12
4. REVIEWING ENGINEER: *Joe!* Joseph R. Tynsky, P.E.
5. DATE OF REVIEW: January 26, 1973
6. ACTION: Approved with Comments
7. COMMENTS:
 1. Owner indicates minimum once weekly refuse removal, and transportation to Glenrock disposal site will be executed.
 2. When well is brought in, original, and thereafter once quarterly (minimum frequency) bacteriological samples will be processed. Records should be maintained of this effort.
 3. Owner should insure that local (Converse County) and any other applicable zoning or land use requirements have been satisfied. Contact with County Commissioners is suggested.

JRT:ijt

Enclosure: 1 set approved plans and specifications

cc: District Sanitarian, Gillette
✓ Ed Bradley, State Fire Marshal, Cheyenne
Converse County Commissioners, Douglas

hook

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF HEALTH AND SOCIAL SERVICES
DIVISION OF HEALTH AND MEDICAL SERVICES
SANITARY ENGINEERING SERVICES
STATE OFFICE BUILDING
CHEYENNE, WYOMING 82001

1. PROJECT: Additional Laundry Building, Tex's Travel Camp
Green River, Wyoming (Sweetwater County)
2. ARCHITECT OR ENGINEER: None, Submitted by owner, Tex Jasperson
Star Route Box 101, Green River, Wyoming 82935
3. SANITARY ENGINEERING SERVICES REF. NO.: 73-13
4. REVIEWING ENGINEER: Joseph R. Tynsky
5. DATE OF REVIEW: January 30, 1973
6. ACTION: Approved with comments
7. COMMENTS:
 1. Owner shall utilize Uniform Plumbing Code regulations in providing plumbing, vents, and related hardware in construction of this facility.
 2. Slope of drain field is not shown. Owner should exercise care to insure the slope is approximately 2 to 4 inches per 100 feet of trench, not to exceed 6 inches per 100 feet.
 3. It is noted that close district supervision on this court was exercised during 1972 and indicates reasonable assurance that minimum State standards have been met for campground facilities. This approval therefore is issued and covers the entire facility as presently built. Owner is advised to insure that any future expansions or modifications, such as is submitted herein, be so submitted for review and approval.
 4. Owner is advised to coordinate this facility with any applicable Sweetwater County zoning regulations or conditions.

JRT:dac

cc: District Sanitarian, District 1, Rock Springs
Ed Bradley, State Fire Marshal, Cheyenne, Wyoming
Board of County Commissioners, Courthouse, Green
River, Wyoming 82935

Returned 2 sets of approved plans

hook

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF HEALTH AND SOCIAL SERVICES
DIVISION OF HEALTH AND MEDICAL SERVICES
SANITARY ENGINEERING SERVICES
STATE OFFICE BUILDING
CHEYENNE, WYOMING 82001

1. PROJECT: *Appollo mobile sewage*
Velvick Trailer Park (34 Unit Spaces) Cheyenne, Wyoming
2. ARCHITECT OR ENGINEER: None indicated: submitted by Donald Velvick
Don's Backhoe Service 504 Grape, Cheyenne, Wyoming 82001
3. SANITARY ENGINEERING SERVICES REF. NO.: 73-14
4. REVIEWING ENGINEER: Frank R. Harman, P.E.
5. DATE OF REVIEW: January 31, 1973
6. ACTION: Not approved; additional information required *See next review sheet*
7. COMMENTS:

1.) Manholes

Provide detailed drawings of a typical manhole showing plan view and side view.

Manholes shall be the standard type with a 24 inch cover and at least 42 inches in diameter.

2.) Water and Sewer Crossings

In every instance where water lines and sewers cross at the point of crossing the water line shall be above the sewer with a vertical separation of at least 12 inches.

If this is not possible the sewer line shall be constructed to water line standards for watertightness etc.

FRH:dac

cc: Don Pack, Sanitarian, City-County Health Unit, Cheyenne
Al Winchester, South Cheyenne Water and Sewer District, Cheyenne

book

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REVIEW OF PLANS AND SPECIFICATIONS

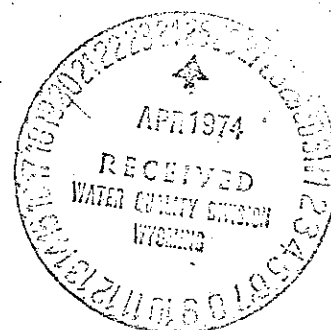
Division of Environmental Health
City-County Health Unit
315 West 20th Street
Cheyenne, Wyoming

MOBILE

1. PROJECT: APOLLO VILLAGE
(Velvick) Trailer Park (34 Unit Spaces) Cheyenne, Wy.
2. ARCHITECT OR ENGINEER: None indicated: submitted by Donald Velvick
Don's Backhoe Service 504 Grape, Cheyenne, Wy. 82001
3. DIVISION OF ENVIRONMENTAL HEALTH REF: 73-14
4. REVIEWED BY: Don E. Pack, R.S., Director of Environmental Health *DEP*
315 West 20th St. Cheyenne, Wy. 82001
5. DATE OF REVIEW: April 18, 1974
6. ACTION: Approved
7. COMMENTS:

Approved as of inspection January 30, 1974 ✓

cc Robert L. Coffman, M.P.H., Director



hook

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF HEALTH AND SOCIAL SERVICES
DIVISION OF HEALTH AND MEDICAL SERVICES
SANITARY ENGINEERING SERVICES
STATE OFFICE BUILDING
CHEYENNE, WYOMING 82001

1. PROJECT: Collins Mobile Home Park, 6 unit spaces, Thermopolis, Wyoming
2. ARCHITECT OR ENGINEER: None indicated, plans submitted by owner, Larry L. and Rachael G. Collins
3. SANITARY ENGINEERING SERVICES REF. NO.: 73-15
4. REVIEWING ENGINEER: Robert H. Pinther
5. DATE OF REVIEW: February 14, 1973
6. ACTION: Approved with comments
7. COMMENTS:

1. Provide restroom facilities for emergency use.*
2. Substantial rust resistant and fly-tight garbage cans shall be provided and stabilized in the upright position by an adequate supporting structure.*
3. Provide adequate outside lighting for the park.

* During a phone conversation with the review engineer on February 14, 1973, Mr. Collins agreed to provide the emergency restroom and the above specified garbage storage facilities.

c.c. William George, District Sanitarian, District II, Worland, Wyoming
Ed Bradley, State Fire Marshal, Cheyenne, Wyoming

February 5, 1973

Mr. John A. Green, Regional Administrator
Environmental Protection Agency Region VIII
1860 Lincoln Street, Suite 900
Denver, Colorado 80203

Attention Mr. Charles W. Murray, Jr., Director
Air and Water Programs Division
Municipal Wastewater Section

Dear Mr. Green:

Re: Town of Hudson
Grant Application
Hudson, Wyoming
C 560101

We are enclosing two sets of EPA Form 5700-12(4-72), Application for Federal Assistance, for the referenced project, along with supporting documents and plans as set forth in Mr. Connell's enclosed letter of January 31, 1973.

We are notifying Mr. Connell that DI Form 1350, Assurance of Compliance, was not included in his submittal and should be sent to this office in triplicate at his earliest convenience. Upon receiving the necessary copies of this form, two copies will be forwarded to your office.

Our review of the preliminary plans for this project reveals that they are in general compliance with the requirements of this Department. However, final approval of the plans by this Department will depend on submission of construction plans and specifications.

Very truly yours,

Arthur E. Williamson, M.S., P.E.
Director
Sanitary Engineering Services

AEW-RHP:cw
Enclosures

Enclosure 2 State Priority Certif.

cc: Mayor Red V. Svilar, Town of Hudson
R. D. Connell, R. D. Connell & Associates, Inc., Riverton

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
CHEYENNE, WYOMING 82002

book

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF HEALTH AND SOCIAL SERVICES
DIVISION OF HEALTH AND MEDICAL SERVICES
SANITARY ENGINEERING SERVICES
STATE OFFICE BUILDING
CHEYENNE, WYOMING 82001

1. PROJECT: Town of Hudson, Lagoon Renovation and Effluent Line Construction (Submittal includes Infiltration Analysis - Phase I - Hudson Sewer System), Hudson, Wyoming C 560101
2. ARCHITECT OR ENGINEER: R.D. Connell, R. D. Connell & Associates, Inc., P. O. Box 1010, Riverton, Wyoming
3. ~~SANITARY ENGINEERING SERVICES~~ REF. NO.: 73-16R
Water Quality Division
4. REVIEWING ENGINEER: Joseph R. Tynsky, P.E.
5. DATE OF REVIEW: August 3, 1973
6. ACTION: Reviewed for Compliance with Design Standards - Construction Authorized
7. COMMENTS:

This Agency has reviewed the infiltration study and has discussed the intent and scope of the project with the Consultant. It is unmistakable that this investigation was a significant technical effort, incorporating basic data and details prerequisite to the decision of whether the alternative of infiltration correction, or reliance on treatment plant capabilities was chosen. Sufficient detailed rationale indicated the latter selection as being apparent, grounded clearly in technical and economic feasibilities. Based on this rationale, and particularly on the clearcut flow data available at lift station, this Agency feels there is a sound basis for the Consultant's rationale and decision.

When proprietary items are specified, grant conditions require consultant to specify an applicable and workable maintenance and operation schedule, including the services of a State certified plant operator.

This construction authorization does not obviate the necessity of the authority meeting the applicable effluent standards shortly to be applied under Federal NPDES (National Pollutant Discharge Elimination System) conditions. On or before July 1977 (or at such date as permit conditions dictate) effluent will be required to meet (and samples taken by the Town to verify) the following:

	Unit of Measurement	Monthly Average	Weekly Average
Biochemical Oxygen Demand ₅	mg/l	30	45
Total Suspended Solids	mg/l	30	45
pH	ml units	6.0 - 9.0	6.0 - 9.0
Fecal Coliform Bacteria	Number/100 mls	200	400

(This latter parameter may indicate the validity of pre-planning a chlorinator installation.)

JRT:cw
8-8-73

cc: Mayor Red Svilar, Town of Hudson, Wyoming

Environmental Protection Agency, Region VIII, Denver, Colorado - Enclosures:
2 copies Infiltration Analysis and Plans and Specifications

✓ Farmers Home Administration, Casper

Book

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF HEALTH AND SOCIAL SERVICES
~~DIVISION OF HEALTH AND MEDICAL SERVICES~~
~~SANITARY ENGINEERING SERVICES~~
STATE OFFICE BUILDING
CHEYENNE, WYOMING 82001

1. PROJECT: Town of Hudson, Lagoon Renovation and Effluent Line Construction, Hudson Wyoming C 560101
2. ARCHITECT OR ENGINEER: R.D. Connell, R.D. Connell & Associates, Inc.
P.O. Box 1010, Riverton, Wyoming 82501
3. ~~SANITARY ENGINEERING SERVICES~~ REF. NO.: 73-16RR
4. REVIEWING ENGINEER: Joseph R. Tynsky, P.E.
5. DATE OF REVIEW: September 10, 1973
6. ACTION: Reviewed for Compliance with Design Standards - Construction Authorized
7. COMMENTS:

Details of fabric divider have been provided in this submission. These have been reviewed with regard to applicable State standards. Sufficient technical attention has been directed to this detail to permit reasonable assurance of its operational integrity.

JRT:mp

cc: Mayor Red Svilar, Town of Hudson, Wyoming
Environmental Protection Agency, Region VIII, Denver, Colorado -
2 sets of plans
Farmers Home Administration, Casper

Deed

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF HEALTH AND SOCIAL SERVICES
DIVISION OF HEALTH AND MEDICAL SERVICES
SANITARY ENGINEERING SERVICES
STATE OFFICE BUILDING
CHEYENNE, WYOMING 82001

1. PROJECT: Pace Mobile Home Park, 30 unit spaces, Ridge Road between Charles and Laramie Streets, Cheyenne, Wyoming
2. ARCHITECT OR ENGINEER: None indicated; submitted by Carl Pace, 3522 Wills Street Cheyenne, Wyoming
3. SANITARY ENGINEERING SERVICES REF. NO.: 73-17
4. REVIEWING ENGINEER: Frank R. Harman, P.E.
5. DATE OF REVIEW: February 21, 1973
6. ACTION: Not Approved *See will be resubmitted*
7. COMMENTS:

Stop and Waste valves of any kind are not approved for draining water risers at each unit space.

FRH:ijt

cc: Don Pack, City County Sanitarian, City County Health Unit, Cheyenne

back

City-County Health Unit

315 WEST 20TH STREET

CHEYENNE, WYOMING 82001

M E M O R A N D U M

TO: Robert L. Coffman, M.P.H., Director, Environmental Surveillance and Control Services

FROM: Donald E. Pack, R.S., Director of Environmental Health *DEP*

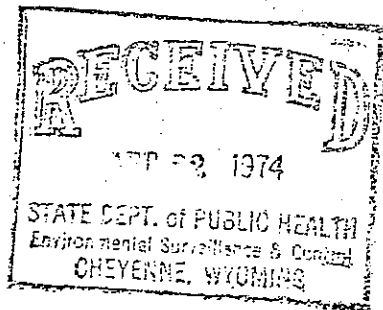
SUBJECT: Memo of March 19, 1974, concerning plans not completely reviewed

DATE: April 18, 1974

1. Cheyenne Village Mobile Home Park, -- 72-176 ✓
This project was not constructed. ✓
2. ✓ Pace Mobile Home Park, 30 Unit Spaces, -- 73-17 ✓
This project has not been constructed as of this date. ✓
3. Wininger Trailer Park, 15 Unit Spaces, -- 73-24
This project was not constructed.

DEP/ae

cc: WQR



hook

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF HEALTH AND SOCIAL SERVICES
DIVISION OF HEALTH AND MEDICAL SERVICES
SANITARY ENGINEERING SERVICES
STATE OFFICE BUILDING
CHEYENNE, WYOMING 82001

1. PROJECT: Mobile Home Park, 22 Unit Spaces, Springview Trailer Court
Rock Springs, Wyoming 82901
2. ARCHITECT OR ENGINEER: Johnson, Fermelia and Crank, P.O. Box 1633, Rock
Springs, Wyoming 82901 Submitted by owner, Charles Gard, for Spartan
Construction Company, 1418 Campbell, Cheyenne, Wyoming 82001
3. SANITARY ENGINEERING SERVICES REF. NO.: 73-18
4. REVIEWING ENGINEER: Joseph R. Tynsky, P.E.
5. DATE OF REVIEW: February 12, 1973
6. ACTION: Approved with comments
7. COMMENTS:

1. Owner is required to meet any local (City of Rock Springs)
building, zoning or construction regulations, and secure any
applicable permits. Special attention should be given to availability,
capacity, and location of water and sewer services.

2. It occurs to suggest owner investigate the use of a freeze-proof
water riser, in order to avoid the problems particularly troublesome
where a vacant space is involved, and the difficulty in front
protection. Note that stop and waste valves are not State approved.
Enclosed is an information cut of one of several excellent freeze-proof
water risers available on the market.

Joseph R. Tynsky, P.E.
Public Health Engineer
Sanitary Engineering Services

JRT:dac
2-12-73

cc: District Sanitarian, District 1, Rock Springs, Wyoming
City of Rock Springs, City Hall, Rock Springs, Wyoming
Johnson, Fermelia and Crank, P.O. Box 1633, Rock Springs, Wyoming

Enclosures

Note: One approved with comments copy of plans being returned to owner
under separate cover.

book

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF HEALTH AND SOCIAL SERVICES
DIVISION OF HEALTH AND MEDICAL SERVICES
SANITARY ENGINEERING SERVICES
STATE OFFICE BUILDING
CHEYENNE, WYOMING 82001

1. PROJECT: Wyoming Highway Department, Moorcroft Rest Area, Crook County, Wyoming
2. ARCHITECT OR ENGINEER: Plans submitted by Milton E. Urban, State Road Engineer, Wyoming Highway Department, Cheyenne, Wyoming. Plans were prepared by the Wyoming Highway Department.
3. SANITARY ENGINEERING SERVICES REF. NO.: 73-19
4. REVIEWING ENGINEER: Frank R. Harman, P.E.
5. DATE OF REVIEW: February 21, 1973
6. ACTION: Approved
7. COMMENTS:

FRH:ijt

cc: Malcolm Crawford, District Sanitarian, Gillette

book

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF HEALTH AND SOCIAL SERVICES
DIVISION OF HEALTH AND MEDICAL SERVICES
SANITARY ENGINEERING SERVICES
STATE OFFICE BUILDING
CHEYENNE, WYOMING 82001

1. PROJECT: Dave Johnston Plant, Pacific Power and Light, Sewage Treatment Plant Glenrock, Wyoming
2. ARCHITECT OR ENGINEER: Martin Bowers, Principal Environmental Engineer, EBASCO Services, Inc., Two Rector Street, New York, New York 10006
3. SANITARY ENGINEERING SERVICES REF. NO.: 73-20
4. REVIEWING ENGINEER: Joseph R. Tynsky, P.E.
5. DATE OF REVIEW: February 20, 1973
6. ACTION: Approved with comments
7. COMMENTS:

1. Plant design capacity, achievable efficiency, and an excellent technique for addressing the sensitive chlorine residual aspect have clearly addressed the water quality constraints addressed in an earlier conversation and which indicates reasonable assurance that water quality in the receiving stream will undergo no degradation as a result of this discharge.
2. Effluent standards, applicable to this type of wastewater system have not yet been established. As closely as possible, these should be determined from EPA Region VIII in Denver, together with any definition associated with a new source permit application, as stipulated by the 1972 Water Pollution Control Amendments. It may be that closer analysis may reveal a somewhat economically more beneficial aspect resultant from full retention or recycling of the effluent, as opposed to the permit stipulated monitoring attendant on a ~~point~~ source discharge.

JRT:ijt

cc: Pacific Power & Light, Dave Johnston Plant, Glenrock
District Sanitarian, Gillette

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REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF HEALTH AND SOCIAL SERVICES
DIVISION OF HEALTH AND MEDICAL SERVICES
SANITARY ENGINEERING SERVICES
STATE OFFICE BUILDING
CHEYENNE, WYOMING 82001

1. PROJECT: South Pass City Water System, South Pass City, Wyoming
2. ARCHITECT OR ENGINEER: Paul C. Schweiger, Wyoming Recreation Commission, Cheyenne
3. SANITARY ENGINEERING SERVICES REF. NO.: 73-21
4. REVIEWING ENGINEER: Robert H. Pinther, P.E.
5. DATE OF REVIEW: March 2, 1973
6. ACTION: Not approved
7. COMMENTS:
 1. Place the bottom of the water storage tank above the highest known groundwater table level.
 2. The electrode cables should enter the 10,000 gallon storage tank through a water tight fitting located in the access manhole at a point at least one foot above ground level.
 3. Since there is a physical connection between the potable water supply system and the fire fighting system the following should be accomplished:
 - (a) The plastic pipe on the fire fighting system should also be of the non-toxic type.
 - (b) The fire fighting systems should, also, be disinfected before being put into service.
 4. Add to the disinfecting procedure; "During the disinfecting process all valves and hydrants shall be operated in order to disinfect the appurtenances".

RHP:dac

cc: District Sanitarian, District II, Worland, Wyoming

book

REVIEW OF PLANS AND SPECIFICATIONS
WYOMING DEPARTMENT OF HEALTH AND SOCIAL SERVICES
DIVISION OF HEALTH AND MEDICAL SERVICES
SANITARY ENGINEERING SERVICES
STATE OFFICE BUILDING
CHEYENNE, WYOMING 82001

1. PROJECT: **South Pass City Water System, South Pass, Wyoming**
2. ARCHITECT OR ENGINEER: **Paul C. Schwieger, Wyoming Recreation Commission**
3. DIV. OF SANITARY ENGINEERING REF. NO.: **73-21R**
4. REVIEWING ENGINEER: **Arthur E. Williamson, M.S., P.E.**
5. DATE OF REVIEW: **March 20, 1973**
6. ACTION: **Approved**
7. COMMENTS:

**Points of March 2, 1973, 73-21 review clarified with
Paul Schwieger in my office this date.**

AEW:cw

cc: District Sanitarian, District II, Worland

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF HEALTH AND SOCIAL SERVICES
DIVISION OF HEALTH AND MEDICAL SERVICES
SANITARY ENGINEERING SERVICES
STATE OFFICE BUILDING
CHEYENNE, WYOMING 82001

1. PROJECT: Town of Hudson 1972 Water Improvements, Hudson, Wyoming
2. ARCHITECT OR ENGINEER: R. D. Connell and Associates, Inc. Riverton
Wyoming
3. SANITARY ENGINEERING SERVICES REF. NO.: 73-22
4. REVIEWING ENGINEER: Robert H. Pinther
5. DATE OF REVIEW: March 5, 1973
6. ACTION: Not approved
7. COMMENTS:

1. To allow draining of the existing storage tank without shutting off pressure on Main Street between 6th and 8th Streets provide a main shut-off valve immediately north of this proposed "Tank Drain and Line Blow-Off."

2. Water mains crossing house sewers, storm sewers or sanitary sewers shall be laid with the water main above the sewer to provide a separation of at least 18 inches between the bottom of the water main and the top of the sewer, wherever possible.

3. When local conditions prevent a vertical separation between water mains and sewer as described in "2" above, the following construction shall be used:

a. Sewers passing over or under water mains should be constructed of materials and joints that are equivalent to water main standards of construction and shall be pressure tested to assure watertightness prior to backfill. An alternate applicable to existing sewers consists of encasing the exposed section of sewer and an additional 3 foot length on each side of the water main trench in a collar of concrete which is at least 6 inches thick.

b. Water mains passing under sewers shall, in addition, be protected by providing:

(1) A vertical separation of at least 18 inches between the bottom of the sewer and the top of the water main;

(2) adequate structural support for the sewers to prevent excessive deflection of joints and settling on and breaking the water mains. Note: The six inch concrete

March 5, 1973

collar referred to in "a" above may be considered as providing this support.

(3) that the length of water pipe be centered at the point of crossing so that the joints will be equidistant and as far as possible from the sewer.

4. It is recommended that the water main disinfection be accomplished by one of the methods outlined in AWWA Standard for Disinfecting Water Mains. An excerpt from this Standard - AWWA C601-68 is enclosed.

5. It is recommended that a minimum water main cover of 6 feet be provided to prevent freezing. It appears that the feeder mains from the reservoir during their sidehill run are less than three feet deep in places.

6. The operation of each chlorination shall be synchronized with the operation of the well pump at the well it serves.

7. All openings into each well such as the openings for the chlorine solution pipe and level control probe lines shall have a water tight seal around the pipe or cable, as the case may be.

8. To prevent the entrance of wind carried contamination, the reservoir vent shall be equipped with a solid hood which extends down to a point at least 2 inches below the vent opening which in turn shall be protected with the screening which is at least four-mesh.

9. It is determined by this office that this water system will not result in the pollution of Wyoming waters in excess of established standards.

RHP:dac

book

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF HEALTH AND SOCIAL SERVICES
DIVISION OF HEALTH AND MEDICAL SERVICES
SANITARY ENGINEERING SERVICES
STATE OFFICE BUILDING
CHEYENNE, WYOMING 82001

1. PROJECT: Town of Hudson 1972 Water Improvements, Hudson, Wyoming
2. ARCHITECT OR ENGINEER: R. D. Connell & Associates, Inc., Riverton, Wyoming
3. SANITARY ENGINEERING SERVICES REF. NO.: 73-22R
4. REVIEWING ENGINEER: Robert H. Pinther, P.E.
5. DATE OF REVIEW: April 9, 1973
6. ACTION: Approved
7. COMMENTS:

It is determined by this office that this water system will not result in the pollution of Wyoming waters in excess of established standards.

RHP:dac

cc: Farmers Home Administration State Office, Casper, Wyoming
District Sanitarian, District II, Worland, Wyoming

Note: Returning one set of approved plans & specifications under separate cover.

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF HEALTH AND SOCIAL SERVICES
DIVISION OF HEALTH AND MEDICAL SERVICES
SANITARY ENGINEERING SERVICES
STATE OFFICE BUILDING
CHEYENNE, WYOMING 82001

1. PROJECT: Town of Greybull, Water Transmission Pipeline, Greybull, Wyoming
2. ARCHITECT OR ENGINEER: Engineering Associates, P.O. Box 1539, Cody, Wyoming 82414
3. SANITARY ENGINEERING SERVICES REF. NO.: 73-23
4. REVIEWING ENGINEER: Robert H. Finther, P.E.
5. DATE OF REVIEW: March 10, 1973
6. ACTION: Approval withheld pending receipt of additional information.
7. COMMENTS:

1. Will the raw water be chlorinated when its rate of flow through the meter drops below 100 gallons per minute? If not, provide for automatic chlorination of the raw water when flowing at rates less than 100 gallons per minute.
2. What provisions are made for chlorinating water to be delivered to future services located upstream from the chlorination building?
3. The open end of each air-relief pipe should be at least one inch in diameter for a distance of one foot and should extend from the manhole to a point at least one foot above ground and be provided with a screened, downward facing elbow.
4. All valve and air-relief pits should be drained to the surface of the ground where they are not subject to flooding by surface water or to absorption pits underground.
5. Provide for discharge of the four inch drain line (serving the equipment building and the meter pit) to the surface of the ground at a point which is not subject to flooding and is located at least 25 feet from the water transmission line. Where this is not practical, provide an absorption pit located at least 25 feet from the water line.
6. Provide a rain water sampling tap at the equipment building.
7. Provide the following in connection with the chlorination facility:
 - a. Provide a standby chlorinator of sufficient capacity to replace the chlorinator in service.

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF HEALTH AND SOCIAL SERVICES
DIVISION OF HEALTH AND MEDICAL SERVICES
SANITARY ENGINEERING SERVICES
STATE OFFICE BUILDING
CHEYENNE, WYOMING 82001

1. PROJECT: Town of Graybull, Water Transmission Pipeline, Graybull, Wyoming
2. ARCHITECT OR ENGINEER: Engineering Associates, P.O. Box 1539, Cody, WY
82414
3. SANITARY ENGINEERING SERVICES REF. NO.: 73-23
4. REVIEWING ENGINEER: Robert H. Pinther, P.E.
5. DATE OF REVIEW: March 10, 1973
6. ACTION: Approval withheld pending receipt of additional information
7. COMMENTS:
 7. b. Locate switches for the interior lights and for the exhaust fan outside the building.
 - c. Provide for discharge of the chlorinator vent pipes to the outside.
8. What consideration is being given to the provision of special protection, such as outlined below, at points where the waterline crosses Shell Creek?
 - a. Valves at both ends of crossing so section can be isolated for test or repair.
 - b. Sampling taps at each end of the crossing.
 - c. Permanent taps for testing and locating leaks.
9. Provide the following at the river crossing:
 - a. Valves at both ends of the crossing so the section can be isolated and repaired.
 - b. Sampling taps at each end of the crossing.
 - c. Permanent taps for testing and locating leaks.
10. Provide specifications covering the new infiltration intake system.

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF HEALTH AND SOCIAL SERVICES
DIVISION OF HEALTH AND MEDICAL SERVICES
SANITARY ENGINEERING SERVICES
STATE OFFICE BUILDING
CHEYENNE, WYOMING 82001

1. PROJECT: Town of Graybull, Water Transmission Pipeline, Greybull, Wyoming
2. ARCHITECT OR ENGINEER: Engineering Associates, P.O. Box 1539, Cody, Wyoming 82414
3. SANITARY ENGINEERING SERVICES REF. NO.: 73-23
4. REVIEWING ENGINEER: Robert H. Pinther, P.E.
5. DATE OF REVIEW: March 10, 1973
6. ACTION: Approval withheld pending receipt of additional information
7. COMMENTS:
 11. Provide details covering the proposed pump connection immediately below the intake.
 12. It has been determined by this office that this water system improvement will not result in the pollution of Wyoming waters in excess of established standards.

RHP:ijt

cc: Farmers Home Administration, State Office, Casper
Mayor William Murdoch, Town of Greybull

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF HEALTH AND SOCIAL SERVICES
DIVISION OF HEALTH AND MEDICAL SERVICES
SANITARY ENGINEERING SERVICES
STATE OFFICE BUILDING
CHEYENNE, WYOMING 82001

1. PROJECT: Town of Greybull, Water Transmission Pipeline, Greybull, Wyoming
2. ARCHITECT OR ENGINEER: Engineering Associates, P.O. Box 1539, Cody, Wyoming
3. SANITARY ENGINEERING SERVICES REF. NO.: 73-23R
4. REVIEWING ENGINEER: William L. Garland
5. DATE OF REVIEW: March 21, 1973
6. ACTION: Approved
7. COMMENTS:

Revisions to original plans, as requested by this office, were reviewed and approved March 21, 1973.

WLG:dac

cc: Farmers Home Administration, State Office, Casper, Wyoming
Mayor William Murdoch, Town of Greybull, Greybull, Wyoming
District Sanitarian, District II, Worland, Wyoming

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REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF HEALTH AND SOCIAL SERVICES
DIVISION OF HEALTH AND MEDICAL SERVICES
SANITARY ENGINEERING SERVICES
STATE OFFICE BUILDING
CHEYENNE, WYOMING 82001

1. PROJECT: Wininger Trailer Park, 15 Unit Spaces, Lampman Court, Orchard Valley, Cheyenne, Wyoming
2. ARCHITECT OR ENGINEER: None; plan submitted by owner
3. SANITARY ENGINEERING SERVICES REF. NO.: 73-24
4. REVIEWING ENGINEER: Frank R. Harman
5. DATE OF REVIEW: February 27, 1973
6. ACTION: Not approved; pending receipt of additional information *See report
attached*
7. COMMENTS:

- 1.) Individual water and sewer hookups
Provide a typical side view drawing showing all above ground and below ground details of both the proposed water and sewer hookups.
- 2.) Individual hookups
Specify that water and sewer lines are to be installed to be at least 10 feet apart horizontally.
- 3.) Emergency toilet
One restroom shall be installed to be available in case of emergencies.
- 4.) Provide detail of the "bath" indicated on the plan.
- 5.) Garbage cans shall be provided to be no further than 100 feet from any unit space.

cc: Don Pack, Sanitarian, City-County Health Unit, Cheyenne
Ed Bradley, State Fire Marshall, Cheyenne

FRH:dac

City-County Health Unit

315 WEST 20TH STREET

CHEYENNE, WYOMING 82001

M E M O R A N D U M

TO: Robert L. Coffman, M.P.H., Director, Environmental Surveillance and Control Services

FROM: Donald E. Pack, R.S., Director of Environmental Health *GP*

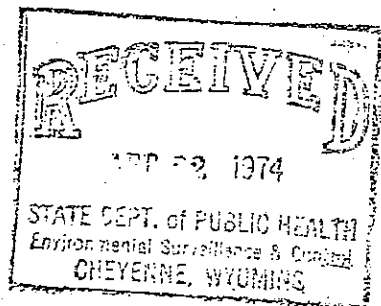
SUBJECT: Memo of March 19, 1974, concerning plans not completely reviewed

DATE: April 18, 1974

1. Cheyenne Village Mobile Home Park, -- 72-176 ✓
This project was not constructed. ✓
2. ✓ Pace Mobile Home Park, 30 Unit Spaces, -- 73-17 ✓
This project has not been constructed as of this date. ✓
3. Wininger Trailer Park, 15 Unit Spaces, -- 73-24
This project was not constructed.

DEP/ae

cc: WQR



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REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF HEALTH AND SOCIAL SERVICES
DIVISION OF HEALTH AND MEDICAL SERVICES
SANITARY ENGINEERING SERVICES
STATE OFFICE BUILDING
CHEYENNE, WYOMING 82001

1. PROJECT: Boysen State Park Water System, Shoshoni, Wyoming
2. ARCHITECT OR ENGINEER: Paul C. Schwieger, State Recreation Engineer,
Wyoming Recreation Commission, Cheyenne, Wyoming
3. SANITARY ENGINEERING SERVICES REF. NO.: 73-25
4. REVIEWING ENGINEER: Robert H. Pinther, P.E.
5. DATE OF REVIEW: March 18, 1973
6. ACTION: Not Approved
7. COMMENTS:

1. The disinfecting procedure should be applied to pressure tank, the well and all appurtenances. This may be accomplished by introducing the disinfecting solution into the well and pumping it through the system. The hydrant and all valves should be operated to obtain contact with the disinfecting solution for the specified 24 hour period.
2. The well seal should be watertight in all respects and, preferably of the type known as the "sanitary well seal".
3. The well vent pipe should terminate at a point at least 24 inches above ground level.
4. The ground surface should slope away from the well for a distance of at least 100 feet in all directions.
5. The area around the well for a distance of at least 100 feet in all directions should be reserved for water supply purposes and should contain no seepage pits, drainfields or privies. No sewer lines or septic tanks should be located within 50 feet of the well.
6. If practical, the well pit floor drain should discharge to ground level. Locate the outlet at a point which is not subject to flooding.

RHP:ijt

cc: William George, District Sanitarian, Worland

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REVIEW OF PLANS AND SPECIFICATIONS
WYOMING DEPARTMENT OF HEALTH AND SOCIAL SERVICES
DIVISION OF HEALTH AND MEDICAL SERVICES
SANITARY ENGINEERING SERVICES
STATE OFFICE BUILDING
CHEYENNE, WYOMING 82001

1. PROJECT: Boysen State Park Water System, Shoshoni, Wyoming
2. ARCHITECT OR ENGINEER: Paul C. Schwieger, State Recreation Engineer,
Wyoming Recreation Commission, Cheyenne, Wyoming
3. DIV. OF SANITARY ENGINEERING REF. NO.: 73-25R
4. REVIEWING ENGINEER: Arthur E. Williamson, M.S., P.E.
5. DATE OF REVIEW: March 20, 1973
6. ACTION: Approved
7. COMMENTS:

Points of March 18, 1973 73-25 review clarified with Paul
Schwieger in my office.

AEW:cw

cc: District Sanitarian, District II, Worland

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF HEALTH AND SOCIAL SERVICES
DIVISION OF HEALTH AND MEDICAL SERVICES
SANITARY ENGINEERING SERVICES
STATE OFFICE BUILDING
CHEYENNE, WYOMING 82001

1. PROJECT: Evans Mobile Home Court, 20 Unit Spaces, 9 Miles South of Jackson, Wyoming (Teton County)
2. ARCHITECT OR ENGINEER: None indicated; submitted by owner, David A. Evans, Box 1184, Jackson, Wyoming 83001
3. SANITARY ENGINEERING SERVICES REF. NO.: 73-26
4. REVIEWING ENGINEER: Roy E. Prior and Joseph R. Tynsky, P.E.
5. DATE OF REVIEW: March 5, 1973
6. ACTION: Approved with comments
7. COMMENTS: Note: Owner is requested to verify the provision of additional information where noted in remarks below as "verify".
 1. Water system (a) Owner is required to register water source with Wyoming State Engineer, Cheyenne, Wyoming (verify).
(b) No well yield is indicated. If an estimated 4 gpm two taps per unit one hour peak demand is estimated used, then this facility will demand a one hour rate of 80 gal/min. If well yield is say 20 gpm, sufficient storage will be needed to augment this base flow and provide this needed one hour volume. Well should meet Wyoming Standards. (verify)
(c) Individual connection to trailer should be shown. Note that no stop and waste valves are approvable. Enclosed is one of several acceptable units (True Temp).
 2. Sewer (a) Pipe size not shown. Four (4) inch minimum to single residence required (verify).

(b) 1000 gallon septic tank for 2 units is somewhat small but acceptable. Unit however, should have baffles (or inlet/outlet tees) to insure optimum drawoff quality e.g., no solids to leach field.
(c) Leach field quoted at 110 sq. ft. per bedroom is OK. Owner should indicate use of gravel bedded perforated pipe as shown on Page 17 of Sewage Standards (verify).
(d) Owner is referred to Standards insert to Mobile Home Standards for typical approvable individual connection.
 3. General
(a) Garbage storage should be 100' or less from a single unit, Disposal should be made to an approved non-violating disposal unit (verify).

REVIEW OF PLANS AND SPECIFICATIONS

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WYOMING DEPARTMENT OF HEALTH AND SOCIAL SERVICES
DIVISION OF HEALTH AND MEDICAL SERVICES
SANITARY ENGINEERING SERVICES
STATE OFFICE BUILDING
CHEYENNE, WYOMING 82001

1. PROJECT: Evans Mobile Home Court, 20 Unit Spaces, 9 Miles South of Jackson, Wyoming (Teton County)
2. ARCHITECT OR ENGINEER: None indicated; submitted by owner, David A. Evans, Box 1184, Jackson, Wyoming 83001
3. SANITARY ENGINEERING SERVICES REF. NO.: 73-26
4. REVIEWING ENGINEER: Roy E. Prior and Joseph R. Tynsky, P.E.
5. DATE OF REVIEW: March 5, 1973
6. ACTION: Approved with comments
7. COMMENTS: (continued)

(b) Owner should carefully space units to allow provision of 15' trailer-to-trailer clearance and driveway/walkway provision.

(c) Owner is requested to apply to Teton County Commissioners to insure that applicable County zoning and land use stipulation have been satisfied (verify).

(d) Water sampling schedule shall be conducted at quarterly intervals when system is started. Please contact District Sanitarian, District I, Rock Springs, Telephone 362-5674 and for this service. (verify)

JRT:dac

Enclosures

cc: District Sanitarian, District I, Rock Springs
Ed Bradley, State Fire Marshal, Cheyenne

REVIEW OF PLANS AND SPECIFICATIONS

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WYOMING DEPARTMENT OF HEALTH AND SOCIAL SERVICES
DIVISION OF HEALTH AND MEDICAL SERVICES
SANITARY ENGINEERING SERVICES
STATE OFFICE BUILDING
CHEYENNE, WYOMING 82001

1. PROJECT: Evans Mobile Home Court, 20 Unit Spaces, 9 miles south of Jackson Wyoming (Teton County)
2. ARCHITECT OR ENGINEER: None indicated; submitted by owner, David A. Evans, Box 1184, Jackson, Wyoming 83001
3. SANITARY ENGINEERING SERVICES REF. NO.: 73-26R
4. REVIEWING ENGINEER: Joseph R. Tynsky, P.E.
5. DATE OF REVIEW: March 20, 1973
6. ACTION: Approved
7. COMMENTS:

Owner has satisfactorily responded to earlier review comments.

JRT:dac

cc: District Sanitarian, District I, Rock Springs, Wyoming
Corky Moyer, Teton County Courthouse, Jackson, Wyoming 83001
Ed Bradley, State Fire Marshal, Cheyenne, Wyoming

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REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF HEALTH AND SOCIAL SERVICES
DIVISION OF HEALTH AND MEDICAL SERVICES
SANITARY ENGINEERING SERVICES
STATE OFFICE BUILDING
CHEYENNE, WYOMING 82001

1. PROJECT: Town of Mills Sanitary Sewer System, Kapranis Addition, Mills, Wyoming
2. ARCHITECT OR ENGINEER: Worthington, Lenhart & Carpenter, Inc., 632 South David
Casper, Wyoming 82601
3. SANITARY ENGINEERING SERVICES REF. NO.: 73-27
4. REVIEWING ENGINEER: Robert H. Pinther, P.E.
5. DATE OF REVIEW: April 6, 1973
6. ACTION: Not approved
7. COMMENTS:

1. Revise the "Protection of Water Supplies" section of the specifications as follows:

B-1. Relation to Water Mains

Substitute "Parallel Installations" for "Horizontal Separation"

B-2. Substitute "Crossings" for "Vertical Separation"

Line 1 omit "under"

Line 7 Substitute for the portion of this paragraph beyond "separation or" the following: the sewer shall, for a distance of at least 10 feet on each side of the water main, be constructed of materials and joints that are equivalent to water main standards of construction and pressure tested for water tightness prior to backfilling.

Add: Water mains passing under sewers shall, in addition, be protected by providing: (1) a vertical separation of at least 18 inches between the bottom of the sewer and the top of the water main, (2) adequate structural support for the sewers to prevent excess deflection and settling on, and breaking of the water mains, (3) that a length of water pipe be centered at the point of crossing so that the points will be equidistant as far as possible from the sewer.

RHP:dac

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REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF HEALTH AND SOCIAL SERVICES
DIVISION OF HEALTH AND MEDICAL SERVICES
SANITARY ENGINEERING SERVICES
STATE OFFICE BUILDING
CHEYENNE, WYOMING 82001

1. PROJECT: **Town of Mills Sanitary Sewer System, Kapranis Addition, Mills, Wyoming**
2. ARCHITECT OR ENGINEER: **Worthington, Lenhart & Carpenter, Inc., 632 South David, Casper, Wyoming 82601**
3. SANITARY ENGINEERING SERVICES REF. NO.: **73-27R**
4. REVIEWING ENGINEER: **Robert H. Pinther, P.E.**
5. DATE OF REVIEW: **April 24, 1973**
6. ACTION: **Approved**
7. COMMENTS:

RHP:dac

cc: **Nix Anderson, Casper-Natrona County Health Department, Casper
Town of Mills, P.O. Box Drawer T, Mills, Wyoming**

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REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF HEALTH AND SOCIAL SERVICES
DIVISION OF HEALTH AND MEDICAL SERVICES
SANITARY ENGINEERING SERVICES
STATE OFFICE BUILDING
CHEYENNE, WYOMING 82001

1. PROJECT: Eisele Mobile Home Park #2, 19 units, Sheridan, Wyoming
2. ARCHITECT OR ENGINEER: VTN Engineers, Planners, Surveyors, 330 N. Main
Sheridan, Wyoming 82801
3. SANITARY ENGINEERING SERVICES REF. NO.: 73-28
4. REVIEWING ENGINEER: Frank R. Harman, P.E.
5. DATE OF REVIEW: June 4, 1973
6. ACTION: Held in abeyance, PROJECT POSTPONED INDEFINITELY
7. COMMENTS:

Mr. Baccari of VTN informed us that the project has been indefinitely postponed. Suggest we keep in inactive file in case they decide to construct.

FRH:ijt

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REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF HEALTH AND SOCIAL SERVICES
DIVISION OF HEALTH AND MEDICAL SERVICES
SANITARY ENGINEERING SERVICES
STATE OFFICE BUILDING
CHEYENNE, WYOMING 82001

1. PROJECT: Klier Mobile Home Court - 3 new spaces (one existing space)
Cheyenne, Wyoming
2. ARCHITECT OR ENGINEER: None indicated; submitted by Mr. Fred Klier
1837 Newton Drive, Cheyenne, Wyoming 82001
3. SANITARY ENGINEERING SERVICES REF. NO.: 73-29
4. REVIEWING ENGINEER: Frank R. Harman, P.E.
5. DATE OF REVIEW: March 19, 1973
6. ACTION: Not approved pending further information
7. COMMENTS:

Construction detail of the water well are required. A side view drawing of the well showing the well casing and its depth. Type of pump and pump mounting, sanitary seal, if any, depth at which perforated casing are installed, etc.

FRH:dac

cc: Don Pack, Sanitarian, City=County Health Unit, Cheyenne, Wyoming
Ed Bradley, State Fire Marshal, Cheyenne

hook

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF HEALTH AND SOCIAL SERVICES
DIVISION OF HEALTH AND MEDICAL SERVICES
SANITARY ENGINEERING SERVICES
STATE OFFICE BUILDING
CHEYENNE, WYOMING 82001

1. PROJECT: Klier Mobile Home Court - 3 new spaces (one existing space)
Cheyenne, Wyoming
2. ARCHITECT OR ENGINEER: None indicated; submitted by owner, Mr. Fred Klier
1837 Newton Drive, Cheyenne, Wyoming 82001
3. SANITARY ENGINEERING SERVICES REF. NO.: 73-29R
4. REVIEWING ENGINEER: Frank R. Harman, P.E.
5. DATE OF REVIEW: April 2, 1973
6. ACTION: Approved
7. COMMENTS:

FRH:dac

cc: Don Pack, Sanitarian, City-County Health Unit, Cheyenne
Ed Bradley, State Fire Marshal (One copy of plans enclosed)

Enclosure: One set of approved plans being returned to owner

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REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF HEALTH AND SOCIAL SERVICES
DIVISION OF HEALTH AND MEDICAL SERVICES
SANITARY ENGINEERING SERVICES
STATE OFFICE BUILDING
CHEYENNE, WYOMING 82001

1. PROJECT: Buffalo Bill State Park, Various North Shore Development
Park County, Wyoming
2. ARCHITECT OR ENGINEER: Paul C. Schwieger, State Recreation Engineer,
Wyoming Recreation Commission, Cheyenne, Wyo.
3. SANITARY ENGINEERING SERVICES REF. NO.: 73-30
4. REVIEWING ENGINEER: Robert H. Pinther, P.E.
5. DATE OF REVIEW: March 26, 1973
6. ACTION: Approved with comments
7. COMMENTS:

1. Extend the disinfection to include the well and pressure tank. All hydrants and other control valves in the water system shall be operated during the disinfection of the system in order to bring the disinfecting solution in contact with all parts of the valves and other appurtenances.

2. The galvanized steel water piping should be at least standard weight and comply with ASTM A120-68(a)

3. To avoid possible aspiration or backflow into the potable water system through the 3-way valve on the water line at the sanitary station, replace the 3-way valve with an ordinary stop valve and add a drain valve located so it can be opened to drain the water riser after the stop valve has been closed.

RHP:ijt

cc: William George, District Sanitarian, Worland

NOTE

WE ARE ENCLOSING ONE SET OF APPROVED PLANS
TO YOU WITH THIS REVIEW.

ijt

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REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF HEALTH AND SOCIAL SERVICES
DIVISION OF HEALTH AND MEDICAL SERVICES
SANITARY ENGINEERING SERVICES
STATE OFFICE BUILDING
CHEYENNE, WYOMING 82001

1. PROJECT: City of Buffalo, Water System Improvement, Buffalo, Wyoming
2. ARCHITECT OR ENGINEER: Nelson, Haley, Patterson & Quirk, Inc.
2021 Clubhouse Drive
Greeley, Colorado 80631
3. SANITARY ENGINEERING SERVICES REF. NO.: 73-31
4. REVIEWING ENGINEER: Frank R. Harman, P.E.
5. DATE OF REVIEW: March 19, 1973
6. ACTION: Approved
7. COMMENTS:

Detailed drawings on sheet 64 of 67 show gas mask located in chlorinator room. It is recommended that for convenience of use, the gas mask be located outside of the chlorinator building along with the chlorine detector.

We are returning one (1) set of APPROVED plans to you under separate cover.

FRH:ijt

cc: Malcolm Crawford, District Sanitarian, Gillette
R. D. Connell, Engineering Consultant, Riverton

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REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF HEALTH AND SOCIAL SERVICES
DIVISION OF HEALTH AND MEDICAL SERVICES
SANITARY ENGINEERING SERVICES
STATE OFFICE BUILDING
CHEYENNE, WYOMING 82001

1. PROJECT: Westwind Commons, Water System for 40 planned (65 maximum) unit spaces. Laramie (Albany County), Wyoming
2. ARCHITECT OR ENGINEER: None indicated. Submitted by owner: Frank J. Dykas, R.R. 2, Box 1-2, Laramie, Wyoming 82070
3. SANITARY ENGINEERING SERVICES REF. NO.: 73-32
4. REVIEWING ENGINEER: Joseph R. Tynsky, P.E.
5. DATE OF REVIEW: March 20, 1973
6. ACTION: Approved with comments
7. COMMENTS:

1. As a unit-parcel-sold subdivision, this review is restricted to the public water supply system, although added recommendations are suggested addressed.

A. Water System

- a. Owner is required to submit his system operation to Wyoming Public Service Commission for utility determination.
- b. Well registration with the Wyoming State Engineer is required.
- c. Owner has posed an excellent yield/storage premise, based on yet to be determined well yield. This Agency requests final design, flow, storage type and size and other detail considerations pertinent to the ultimate design concept as based on this yield/storage balance on demand.
- d. 50 ppm chlorine disinfection of water system is required when completed. Initial and subsequent quarterly (minimum frequency) bacteriological examination of water will be required. Owner shall notify this Agency of starting date. Chemical analysis of water is required submitted to this office for potability determination.
- e. If any plastic water line is used, it shall bear the National Sanitation Foundation seal.

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF HEALTH AND SOCIAL SERVICES
DIVISION OF HEALTH AND MEDICAL SERVICES
SANITARY ENGINEERING SERVICES
STATE OFFICE BUILDING
CHEYENNE, WYOMING 82001

1. PROJECT: Westwind Commons, Water System for 40 planned (65 maximum) unit spaces. Laramie (Albany County), Wyoming
2. ARCHITECT OR ENGINEER: None indicated. Submitted by owner: Frank J. Dykas, R.R. 2, Box 1-2, Laramie, Wyoming 82070
3. SANITARY ENGINEERING SERVICES REF. NO.: 73-32
4. REVIEWING ENGINEER: Joseph R. Tynsky, P.E.
5. DATE OF REVIEW: March 20, 1973
6. ACTION: Approved with comments
7. COMMENTS:

B. Recommendations.

- a. Owner should verify that applicable local Albany County zoning and/or subdivision recommendations have been addressed.
- b. Individual parcel owners are advised to follow subdivider's and this Agency's sewage disposal standards as outlined on the plan in Wyoming Standards for Private Sewage disposal.
- c. Subdivider is advised to incorporate a technique or rationale wherein acceptable solid waste collection and disposal techniques can be realized.
- d. Layout submitted and approved is a ten unit module of a planned 40 unit subdivision. An indication was made of re-adjusting to a maximum of 65 homes. If this is ultimately executed, it is requested that a modified layout of the water system be submitted for review.

JRT:ijt

cc: Frank Rauchfuss, Utilities Director, Wyoming PSC, Cheyenne
Richard Stockdale, Ground Water Section, State Engineer's Office,
Cheyenne
Albany County Commissioners, Albany County Courthouse, Laramie
District Sanitarian, District I, Rock Springs

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF HEALTH AND SOCIAL SERVICES
DIVISION OF HEALTH AND MEDICAL SERVICES
SANITARY ENGINEERING SERVICES
STATE OFFICE BUILDING
CHEYENNE, WYOMING 82001

1. PROJECT: Kassner KOA Kampground Swimming Pool, Douglas, Wyoming
2. ARCHITECT OR ENGINEER: None indicated. Prepared by Customs Pools, Inc.
701 East Excelsior Avenue, Hopkins, Minn. 55343
3. SANITARY ENGINEERING SERVICES REF. NO.: 73-33
4. REVIEWING ENGINEER: Robert H. Pinther, P.E.
5. DATE OF REVIEW: March 29, 1973
6. ACTION: Not Approved
7. COMMENTS:
 1. The operation of the chlorinator shall be synchronized with the operation of the recirculation system.
 2. The depth markings shall be placed on the vertical wall of the pool above the water surface as well as on the deck.
 3. The skimmer equalizer pipe shall be at least 2 inches in diameter.
 4. Each return inlet shall be submerged at least 12 inches below the pool normal water level.
 5. The materials used shall form a tight tank without cracks at joints and with coving at intersections of the pool walls with the pool bottom.
 6. The pool tank shall have sufficient structured strength to maintain its design shape indefinitely.
 7. All plastic lines used for conveying water shall be of the non-toxic type bearing the seal of approval of the National Sanitation Foundation.
 8. Submit a complete description of the pump system. This shall include the following:
 - (a) A strainer before the pump to prevent hair, lint, etc. from reaching the filter.
 - (b) A pump performance curve.

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF HEALTH AND SOCIAL SERVICES
DIVISION OF HEALTH AND MEDICAL SERVICES
SANITARY ENGINEERING SERVICES
STATE OFFICE BUILDING
CHEYENNE, WYOMING 82001

1. PROJECT: Kassner KOA Kampground Swimming Pool, Douglas, Wyoming
2. ARCHITECT OR ENGINEER:
3. SANITARY ENGINEERING SERVICES REF. NO.: 73-33
4. REVIEWING ENGINEER: Robert H. Pinther, P.E.
5. DATE OF REVIEW:
6. ACTION: Not Approved
7. COMMENTS:
 9. The Swimrite model A-48 filter specified is not listed by NSF. Submit complete description of this filter or evidence that it is NSF approved.
 10. Indicate source of pool water and provide for supplying it to the pool through a minimum 6 inch vertical air gap break above the lip of the pool.
 11. The upper rim of the pool shall form a handhold subject to accepted standards.
 12. Indicate method of disposal of backwash water and any water run to waste during pre-coating of the filter. There shall be no directed connection between the pool recirculation system and any sanitary sewer.
 13. Provide the following additional safety equipment.
 - a. One or more throwing buoys to which shall be attached a length of 3/16 inch manila rope not less than 60 feet long. This equipment shall be placed on one or more racks at strategic points adjacent to the pool.
 - b. A standard 24 unit first aid kit.
 - c. A readily accessible room or area designated and equipped for emergency care. Minimum equipment includes the first aid kit, a stretcher and two woolen blankets.

RHP:ijt

cc: Mr. Bob Kassner, KOA Kampground, Douglas, Wyoming
Malcolm Crawford, District Sanitarian, Gillette

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REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF HEALTH AND SOCIAL SERVICES
DIVISION OF HEALTH AND MEDICAL SERVICES
SANITARY ENGINEERING SERVICES
STATE OFFICE BUILDING
CHEYENNE, WYOMING 82001

1. PROJECT: Kassner Kampground Swimming Pool, Douglas, Wyoming
2. ARCHITECT OR ENGINEER: None indicated. Prepared by Custom Pools, Inc.
701 East Excelsior Avenue, Hopkins, Minnesota
55343
3. SANITARY ENGINEERING SERVICES REF. NO.: 73-33R
4. REVIEWING ENGINEER: Robert H. Pinther, P.E.
5. DATE OF REVIEW: May 1, 1973
6. ACTION: Approval withheld pending compliance with items 2. and 3. below.
7. COMMENTS:

This review covers a letter of April 7, 1973 from Custom Pools to this Department along with a Swimrite, Inc. pump performance curve graph for "SR Series Pumps" (moderate and High Head).

1. The Owner, Bob Kassner, has given verbal assurance that there will be a coving at the intersection of the pool walls with the pool bottom.
2. Specify that the return inlet fittings shall be of the adjustable flow type.
3. Indicate the average head in feet against which the recirculation pump will be working or otherwise clarify the six (6) hour turnover rate specified.

RHP:ijt

cc: District Sanitarian, Gillette
Mr. Bob Kassner, KOA Kampground, Douglas
Mr. Ed Bradley, State Fire Marshal, Cheyenne

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REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF HEALTH AND SOCIAL SERVICES
DIVISION OF HEALTH AND MEDICAL SERVICES
SANITARY ENGINEERING SERVICES
STATE OFFICE BUILDING
CHEYENNE, WYOMING 82001

1. PROJECT: **Kassner KOA Kampground Swimming Pool, Douglas, Wyoming**
2. ARCHITECT OR ENGINEER: **None indicated; prepared by Custom Pools, Inc. 701 East Excelsior Avenue, Hopkins, Minnesota 55343**
3. SANITARY ENGINEERING SERVICES REF. NO.: **73-33RR**
4. REVIEWING ENGINEER: **Robert H. Pinther, P.E.**
5. DATE OF REVIEW: **May 16, 1973**
6. ACTION: **Approved with comment**
7. COMMENTS:

This review covers a letter of May 9, 1973 from Custom Pools to this Department.

RHP:dac

**cc: District Sanitarian, District III, Gillette, Wyoming
Mr. Bob Kassner, KOA Kampground, Douglas (with enclosures)
Mr. Ed Bradley, State Fire Marshal, Cheyenne (with enclosure)**

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REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF HEALTH AND SOCIAL SERVICES
DIVISION OF HEALTH AND MEDICAL SERVICES
SANITARY ENGINEERING SERVICES
STATE OFFICE BUILDING
CHEYENNE, WYOMING 82001

1. PROJECT: Circle Park Mobile Home Court, 50 spaces, South Cheyenne, Laramie County, Wyoming
2. ARCHITECT OR ENGINEER: None indicated. Submitted by owner: Lawrence E. Sloan, Box 147, Meriden Rt., Cheyenne, WY 82001
3. SANITARY ENGINEERING SERVICES REF. NO.: 73-34
4. REVIEWING ENGINEER: Roy E. Prior
5. DATE OF REVIEW: April 10, 1973
6. ACTION: Approved with Comments
7. COMMENTS:
 - A. Must comply with South Cheyenne Water & Sewer District regulations
 - B. All main sewer lines must be 6" in diameter or greater
 - C. Where water mains cross house sewers, storm sewers or sanitary sewers, they shall be laid to provide a separation of at least 18" between the bottom of the water main and the top of the sewer. If impossible, then the sewer shall be constructed of materials and with joints that are equivalent to water main standards of construction for a distance of 10' in each direction and shall be pressure tested to assure water-tightness, prior to backfilling. The length of water pipe to be centered at the point of crossing so that the joints will be equidistant and as far as possible from the sewer.
 - D. To even out the pressure and to better meet the water demand for the mobile homes and fire hydrant, the outer ends of the water lines in both the inner and outer circles could apparently readily be connected. A valve could be placed in this connecting line to provide service to one-half the line in event the other half is shut off.

REP:ijt

cc: Don Pack, City-County Health Unit, Cheyenne
South Cheyenne Water & Sewer District, Cheyenne
Ed Bradley, State Fire Marshal, Cheyenne

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REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF HEALTH AND SOCIAL SERVICES
DIVISION OF HEALTH AND MEDICAL SERVICES
SANITARY ENGINEERING SERVICES
STATE OFFICE BUILDING
CHEYENNE, WYOMING 82001

1. PROJECT: Sunset Terrace Mobile Home Park 14 Additional Unit Spaces
Sheridan, Wyoming
2. ARCHITECT OR ENGINEER: None indicated; plat prepared by J. R. Wright
Surveyor and submitted by J. T. Kessinger 28 Sunset Terrace, Sheridan
Wyoming
3. SANITARY ENGINEERING SERVICES REF. NO.: 73-35
4. REVIEWING ENGINEER: Frank R. Harman, P.E.
5. DATE OF REVIEW: April 19, 1973
6. ACTION: Not approved pending receipt of undermentioned items
7. COMMENTS:

1) Water Lines

The water lines shall be disinfected with a 50 ppm dose of chlorine
for at least 24 hours before the system is put into operation.

2) Garbage Disposal

Provide garbage cans with tight-fitting lids at the rate of one
no further than 100 feet away from any of the unit spaces.

3) Lighting

Adequate yard lighting shall be provided.

FRH:dac

cc: District Sanitarian, District III, Gillette, Wyoming

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF HEALTH AND SOCIAL SERVICES
DIVISION OF HEALTH AND MEDICAL SERVICES
SANITARY ENGINEERING SERVICES
STATE OFFICE BUILDING
CHEYENNE, WYOMING 82001

1. PROJECT: Sunset Terrace Mobile Home Park - ²⁰~~14~~ Additional Units, *Sheridan, Wyoming*
2. ARCHITECT OR ENGINEER: None indicated; information submitted to office by Tom Kessinger owner, 28 Sunset Street, Sheridan, Wyoming
3. SANITARY ENGINEERING SERVICES REF. NO.: 73-35R
4. REVIEWING ENGINEER: Frank R. Harman, P.E.
5. DATE OF REVIEW: April 25, 1973
6. ACTION: Approved
7. COMMENTS:

FRH:dac

cc: Malcolm Crawford, District Sanitarian, District III, Gillette, Wyoming
Ed Bradley, State Fire Marshal, Cheyenne

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REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF HEALTH AND SOCIAL SERVICES
DIVISION OF HEALTH AND MEDICAL SERVICES
SANITARY ENGINEERING SERVICES
STATE OFFICE BUILDING
CHEYENNE, WYOMING 82001

1. PROJECT: New Frontier Mobile Home Park, 128 Units, South Cheyenne (Laramie County), Wyoming
2. ARCHITECT OR ENGINEER: None; submitted by owner I & C Inc., 3230 Elizabeth, Pueblo, Colorado
3. SANITARY ENGINEERING SERVICES REF. NO.: 73-36
4. REVIEWING ENGINEER: Joseph R. Tynsky, P.E.
5. DATE OF REVIEW: March 27, 1973
6. ACTION: Approved with comments
7. COMMENTS:

1. Owner indicates water sewer horizontal separation of 10' will be maintained. Wherein impossible, water shall be 18" over sewer, or in vicinity of crossings (sewer over water) joints shall be equidistant and sewer shall be leak-proof in vicinity of crossing.

2. Owner indicates cleanouts at 100' intervals on 8" mains (minimum size) will be provided. Four inch (4") individual connections are acceptable.

3. Refuse storage in plastic containers, to be picked up twice a week, is approved. Ultimate disposal shall meet state law, e.g., $\frac{1}{2}$ miles from road and dwelling and no nuisance. City of Cheyenne landfill disposal is urged.

4. "True Temp" or equal high quality freezeless water supply is strongly recommended.

5. Owner is required to meet applicable county and South Cheyenne Water and Sewer District requirements, which may be in addition to State requirements. Prior approval prior to construction initiation is required.

6. Plastic potable water lines require NSF stamp of approval for potability.

7. This is an excellently laid out facility, which, with the potential use of a protective park regulation, would seem to offer an asset to the community.

JRT:dac

Enclosure: One set of approved plans

cc: Mr. Don Pack, Division of Environmental Health, City-County Health Unit, Cheyenne
Mr. R. J. Walterscheid, Chairman, South Cheyenne Water & Sewer District, Cheyenne
Ed Bradley, State Fire Marshal, Cheyenne, Wyoming

5-8-73 Xerox copy to Norman Carter, County Engineer's office,
Laramie County, 706 West 19th St., Cheyenne

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REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF HEALTH AND SOCIAL SERVICES
DIVISION OF HEALTH AND MEDICAL SERVICES
SANITARY ENGINEERING SERVICES
STATE OFFICE BUILDING
CHEYENNE, WYOMING 82001

1. PROJECT: Hoopes Trailer Court, 4 unit spaces, Lyman, Wyoming
2. ARCHITECT OR ENGINEER: Submitted by Pete Ellingford, Box 361, Lyman Wyoming 82937
3. SANITARY ENGINEERING SERVICES REF. NO.: 73-37
4. REVIEWING ENGINEER: Joseph R. Tynsky, P.E.
5. DATE OF REVIEW: March 28, 1973
6. ACTION: Not Approved
7. COMMENTS:

1. The 1,000 gallon septic tank is insufficient in size for four trailers. In reviewing basic requirements, four modern trailers would require at least a 2,000 gallon tank in order to provide 24 hour retention. Also, inlet outlet "tiles" are required. A dual compartment tank is strongly recommended, in order to protect the Town sewer system. A detail of this is required submitted. (see pages 2-10, Sewage Standards, enclosed.)

2. Individual water and sewer connections are not shown. Note that a stop and waste water supply valve is not approved. I have enclosed an approvable "True-Temp" type, of which there are several acceptable types available. Additional review material has been enclosed for your information.

3. Early contact must be made with Town of Lyman authorities to insure that applicable codes and permits have been met or secured.

4. Some attention should be paid to describing area lighting, all weather walkways and on-site refuse storage (garbage cans, etc.).

5. On receipt of requested information, we will act immediately on a re-review.

JRT:ijt

Enclosures: Sewage Standards
True-Temp guide
Mobile Home Standards with insert

cc: District Sanitarian, Rock Springs
Grant Walker, Utility Superintendent, Town of Lyman
Ed Bradley, State Fire Marshal, Cheyenne

REVIEW OF PLANS AND SPECIFICATIONS

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WYOMING DEPARTMENT OF HEALTH AND SOCIAL SERVICES
DIVISION OF HEALTH AND MEDICAL SERVICES
SANITARY ENGINEERING SERVICES
STATE OFFICE BUILDING
CHEYENNE, WYOMING 82001

1. PROJECT: Hoopes Trailer Court, 4 unit spaces, Lyman, Wyoming
2. ARCHITECT OR ENGINEER: Submitted by Pete Ellingford, Box 361, Lyman, Wyoming
82937
3. SANITARY ENGINEERING SERVICES REF. NO.: 73-37R
4. REVIEWING ENGINEER: Joseph R. Tynsky, P.E.
5. DATE OF REVIEW: April 3, 1973
6. ACTION: Approved
7. COMMENTS:

Excellent attention has been given earlier review
comments.

JRT:ijt

cc: District Sanitarian, District I, Rock Springs
Ed Bradley, State Fire Marshal, Cheyenne
Grant Walker, Utility Superintendent, Lyman

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REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF HEALTH AND SOCIAL SERVICES
DIVISION OF HEALTH AND MEDICAL SERVICES
SANITARY ENGINEERING SERVICES
STATE OFFICE BUILDING
CHEYENNE, WYOMING 82001

1. PROJECT: **Felwell Overnight Campgrounds, Casper, Wyoming**
2. ARCHITECT OR ENGINEER: **None; submitted by Mr. R. C. Felwell, Box 1922, Casper**
3. SANITARY ENGINEERING SERVICES REF. NO.: **73-38**
4. REVIEWING ENGINEER: **Robert H. Finther, P.E.**
5. DATE OF REVIEW: **April 9, 1973**
6. ACTION: **Approval withheld pending receipt of additional information as outlined below.**
7. COMMENTS:

- (1.) It is understood that the source of water is the City of Casper
- (2.) Each trailer site shall be at least 25 feet wide and have an area of at least 1000 square feet.
- (3.) Adequately sized refuse containers which are fly-tight and rust resistant shall be stabilized in the upright position within 100 feet of each unit space.
- (4.) The access manholes to the septic tanks shall have a minimum diameter of 20 inches.
- (5.) Indicate width of tile drain field trenches.
- (6.) Submit the results of percolation tests upon which the size of the drainfield is based.

Note: These tests shall be conducted by the procedure set forth in Appendix A of the bulletin of this Department entitled, "Minimum Standards for Private Sewage Disposal Systems."

RHP:dac

Enclosure: Minimum Standards for Private Sewage Disposal Systems

cc:Casper-Natrona County Health Department, Casper, Wyoming

Book

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF HEALTH AND SOCIAL SERVICES
DIVISION OF HEALTH AND MEDICAL SERVICES
SANITARY ENGINEERING SERVICES
STATE OFFICE BUILDING
CHEYENNE, WYOMING 82001

1. PROJECT: **Folwell Overnight Campgrounds, Casper, Wyoming**
2. ARCHITECT OR ENGINEER: **None indicated; submitted by Mr. R. C. Folwell
Box 1922, Casper, Wyoming**
3. SANITARY ENGINEERING SERVICES REF. NO.: **73-38R**
4. REVIEWING ENGINEER: **Robert H. Pinther, P.E.**
5. DATE OF REVIEW: **May 2, 1973**
6. ACTION: **Approved**
7. COMMENTS:

RHP:dac

cc: Casper-Natrona County Health Unit, Casper, Wyoming
Ed Bradley, State Fire Marshal, Cheyenne

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REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF HEALTH AND SOCIAL SERVICES
DIVISION OF HEALTH AND MEDICAL SERVICES
SANITARY ENGINEERING SERVICES
STATE OFFICE BUILDING
CHEYENNE, WYOMING 82001

1. PROJECT: Gateway Mobile Home Park, Section 2, 64 unit spaces addition.
Sweetwater County, Wyoming
2. ARCHITECT OR ENGINEER: Johnson, Fermelia & Crank, Inc., P.O. Box 1633,
Rock Springs, Wyoming
3. SANITARY ENGINEERING SERVICES REF. NO.: 73-39
4. REVIEWING ENGINEER: Joseph R. Tynsky, P.E.
5. DATE OF REVIEW: April 4, 1973
6. ACTION: Approved with Comments
7. COMMENTS:

Comments outlined in review of project numbered 71-49 made on April 28, 1971, remain applicable to this expansion. Particular attention should be made to secure applicable permits from City of Rock Springs and from the water utility.

JRT:ijt

cc: District Sanitarian, District I, Rock Springs
Joe Sanna, City Building Inspector, P.O. Box 1030, Rock Springs
Ed Bradley, State Fire Marshal, Cheyenne

NOTE: We are returning one copy of subject plan to you stamped APPROVED WITH COMMENTS. We are also sending copies so stamped to Ed Bradley, State Fire Marshal, and Joe Sanna, Rock Springs City Building Inspector.

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REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF HEALTH AND SOCIAL SERVICES
DIVISION OF HEALTH AND MEDICAL SERVICES
SANITARY ENGINEERING SERVICES
STATE OFFICE BUILDING
CHEYENNE, WYOMING 82001

1. PROJECT: Guernsey State Park Sanitary Dump Station, Platte County, Wyoming
2. ARCHITECT OR ENGINEER: Paul Schweiger, State Recreation Engineer, Wyoming Recreation Commission, Cheyenne, Wyoming
3. SANITARY ENGINEERING SERVICES REF. NO.: 73-40
4. REVIEWING ENGINEER: Robert H. Pinther, P.E.
5. DATE OF REVIEW: April 10, 1973
6. ACTION: Approved with comments
7. COMMENTS:

1. Clarify the method of draining the water tower piping at the Sanitary Dump Station, refer to sheet 8 of the plans.

2. Consideration should be given to providing access to the septic tank through two 20 inch manholes located near the tank inlet and outlet respectively. Each manhole should extend at least to within 8 inches of the ground surface.

3. Provide an approved water hydrant or specify a design which will allow "winter drain" and "summer no drain" operation.

RHP:dac

cc: District Sanitarian, District III, Gillette, Wyoming

Note: Returning one set of plans to Wyoming Recreation Commission stamped approved with comments.

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REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF HEALTH AND SOCIAL SERVICES
DIVISION OF HEALTH AND MEDICAL SERVICES
SANITARY ENGINEERING SERVICES
STATE OFFICE BUILDING
CHEYENNE, WYOMING 82001

1. PROJECT: Allison Trailer Park, 27 Additional Unit Spaces, Rock Springs (Sweetwater County) Wyoming
2. ARCHITECT OR ENGINEER: Johnson, Fermelia & Crank, Inc. P.O. Box 1633, Rock Springs, Wyoming 82901
3. SANITARY ENGINEERING SERVICES REF. NO.: 73-41
4. REVIEWING ENGINEER: Joseph R. Tynsky, P.E.
5. DATE OF REVIEW: April 5, 1973
6. ACTION: Approved with comments
7. COMMENTS:

1. Owner is required to meet applicable City requirements in utilizing City sewer service, and similarly to meet utility requirements in utilizing water service.

2. Refuse is required stored on trailer site in acceptable covered containers (galvanized cans, plastic bags, etc.) and collected minimum once weekly. Disposal shall be to a site meeting State requirements, preferably at City landfill site.

3. Owner should determine whether there are any applicable county zoning or other regulations which must be addressed.

4. This design presents an excellent layout, e.g. sewer sizes, looped water service, a functional spacing layout, etc.

cc: H. P. Allison, 4042 Springs Drive, Rock Springs, Wyoming 82901
Ed Bradley, State Fire Marshal, Cheyenne
Joe Sanna, City Building Inspector, City of Rock Springs, P.O. Box 1633, Rock Springs, Wyoming
District Sanitarian, District I, Rock Springs, Wyoming
Board of County Commissioners, Courthouse, Green River, Wyoming 82935

JRT:dac

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REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF HEALTH AND SOCIAL SERVICES
DIVISION OF HEALTH AND MEDICAL SERVICES
SANITARY ENGINEERING SERVICES
STATE OFFICE BUILDING
CHEYENNE, WYOMING 82001

1. PROJECT: South Cheyenne Water & Sewer District Sewage Treatment Plant Expansion
Cheyenne (Laramie County) Wyoming
2. ARCHITECT OR ENGINEER: J. J. Brogger & Associates, Consulting Engineers
P.O. Bx. 428 Limon, Colorado 80828
3. SANITARY ENGINEERING SERVICES REF. NO.: 73-42
4. REVIEWING ENGINEER: Joseph R. Tynsky, P.E.
5. DATE OF REVIEW: April 9, 1973
6. ACTION: Approved with comments
7. COMMENTS:

1. It occurs to suggest the advisability of incorporating existing plant rehabilitation together as part of construction of the existing plant.

2. The potential ultimate requirement for sludge wasting could potentially be necessary, although the conceivable limited and infrequent amount would not appear to justify drying dewatering beds.

3. Notice is made of potential for bypassing directly to polishing pond. This activity should be considered by the district (and its operator) as an emergency measure, executed only on request from State Water Pollution Control Agency.

4. A review of hydraulic and biologic design addresses the population projections made in the engineer's report and does so in the provision of a significantly comprehensive and well balanced design for an 0.8 MGD (total capacity). It occurs, however, to outline to the district (and its engineer) the importance of continually recording flow rates, in addition to plant efficiency, toward the objective of limiting plant operations to within the plant's capacity. The district may consider the strong advisability of writing a district ordinance limiting further connections at such times as plant design flows are reached, and which would indicate further plant expansion prerequisite to further district growth.

cc: Don Pack, City-County Health Unit, Cheyenne
EPA, Region VIII, Denver, Colorado
Floydine Gay, Secretary, South Cheyenne Water and Sewer District, Cheyenne

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REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF HEALTH AND SOCIAL SERVICES
DIVISION OF HEALTH AND MEDICAL SERVICES
SANITARY ENGINEERING SERVICES
STATE OFFICE BUILDING
CHEYENNE, WYOMING 82001

1. PROJECT: **South Cheyenne Water & Sewer District Sewage Treatment Plant Expansion
Cheyenne, (Laramie County) Wyoming**
2. ARCHITECT OR ENGINEER: **J. J. Brogger & Associates, Consulting Engineers
P.O. Box 428 Limón, Colorado 80828**
3. SANITARY ENGINEERING SERVICES REF. NO.: **73-42R**
4. REVIEWING ENGINEER: **Joseph R. Tynsky, P.E.**
5. DATE OF REVIEW: **May 31, 1973**
6. ACTION: **Approved**
7. COMMENTS:

JRT:dac

cc: Don Pack - City-County Health Unit, Cheyenne
EPA, Region VIII, Denver, Colorado
Floydine Gay, Secretary, South Cheyenne Water and Sewer District, Cheyenne

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REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF HEALTH AND SOCIAL SERVICES
DIVISION OF HEALTH AND MEDICAL SERVICES
SANITARY ENGINEERING SERVICES
STATE OFFICE BUILDING
CHEYENNE, WYOMING 82001

South Cheyenne Water and Sewer District, Sewage Treatment Plant

1. PROJECT: Expansion, Addenda 2, 3, and 4, Cheyenne (Laramie County) Wyoming C560097
2. ARCHITECT OR ENGINEER: James J. Brogger & Associates, Inc., P.O. Box 428, Limon, Colorado 80828
3. SANITARY ENGINEERING SERVICES REF. NO.: 73-42RRR
Joseph R. Tynsky, P.E.
4. REVIEWING ENGINEER: June 19, 1973
5. DATE OF REVIEW: Approved
6. ACTION:
7. COMMENTS:

JRT:dac

cc: Environmental Protection Agency, Region VIII, Denver, Colorado
Floydine Gay, Secretary, South Cheyenne Water and Sewer District, Cheyenne.

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REVIEW OF PLANS AND SPECIFICATIONS

ENVIRONMENTAL QUALITY
WYOMING DEPARTMENT OF HEALTH AND SOCIAL SERVICES
WATER QUALITY DIVISION
STATE OFFICE BUILDING
CHEYENNE, WYOMING 82001 82002

1. PROJECT: South Cheyenne Water and Sewer District, Sewage Treatment Plant Expansion, Cheyenne, Wyoming 0560097
2. ARCHITECT OR ENGINEER: James J. Brogger, James J. Brogger & Associates, Inc., P. O. Box 428, Limon, Colorado 80828
3. ~~SANITARY ENGINEERING SERVICES~~ REF. NO.: 73-42RRRR
4. REVIEWING ENGINEER: Arthur E. Williamson, M.S., P.E.
5. DATE OF REVIEW: July 16, 1973
6. ACTION: Reviewed for Compliance with Design Standards
7. COMMENTS:

1. The use of the existing (reworked) lagoon, as an aerobic digester, should provide a workable solution to handling excess sludge and maintain the effluent within acceptable limits. This will require good operation to insure best results.
2. Chlorine contact expanded to design capacity should provide acceptable disinfection.

AEW:cw

cc: Floydine Gay, Secretary, South Cheyenne Water and Sewer District, Cheyenne
Environmental Protection Agency, Attention Wm. H. Hormberg, Denver - 2 sets
plans and specifications

book

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
CHEYENNE, WYOMING 82002
REVIEW OF PLANS AND SPECIFICATIONS

~~WYOMING DEPARTMENT OF HEALTH AND SOCIAL SERVICES
DIVISION OF HEALTH AND MEDICAL SERVICES
SANITARY ENGINEERING SERVICES
STATE OFFICE BUILDING
CHEYENNE, WYOMING 82001~~

1. PROJECT: South Cheyenne Water and Sewer District, Sewage Treatment Plant Expansion, Cheyenne, Wyoming C560097
2. ARCHITECT OR ENGINEER: James J. Brogger & Associates, Inc., Consulting Engineers
P. O. Box 428, Limon, Colorado 80828
Water Quality Division
3. ~~SANITARY ENGINEERING SERVICES~~ REF. NO.: 73-42RRRR
4. REVIEWING ENGINEER: Joseph R. Tynsky, P.E.
5. DATE OF REVIEW: August 2, 1973
6. ACTION: Reviewed for Compliance with Design Standards
7. COMMENTS:
 1. Consultant has satisfactorily addressed the itemized list of additions addressed in the EPA letter of July 26, 1973, except for the reference in the invitation to bid regarding bidder compliance with Executive Order No. 11246. This detail should be checked and included.
 2. This Agency stresses the importance of the EPA comment in paragraph 4, wherein the District and/or consultant supply a clear and utilitarian operation and maintenance manual.

JRT:bb

cc: Mrs. Floydine Gay, Secretary-Treasurer, South Cheyenne Water & Sewer District,
Cheyenne, Wyoming

EPA Region VIII, Denver, Enclosures

WATER QUALITY DIVISION

State Office Building West

Telephone 307 777-7781

July 30, 1974

Mr. John A. Green, Regional Administrator
U. S. Environmental Protection Agency
1860 Lincoln Street, Suite 900
Denver, Colorado 80203

Attention Mr. William H. Hormberg, Chief,
Office of Grants

Dear Mr. Green:

Subject: South Cheyenne Water and
Sewer District
Federal Sewage Works Grant
Request for Funding Increase
and Change Order No. One
Cheyenne, Wyoming
C 560097
Wyoming 73-42R5 ✓

We have reviewed the enclosed Change Order No. One, which includes constructing an additional 308 linear feet of outfall line, eliminating one manhole and increasing the time for completion to 150 calendar days.

The original installation, done several years ago, was not laid to grade. This poor vertical alignment was not discovered until current operations began.

We concur with this request and are forwarding it to your office for review and approval.

Very truly yours,

Arthur E. Williamson, M.S., P.E.
Administrator
Water Quality Division

AEW-PCS:cw

Enclosures: Xerox of Mrs. Gay's July 22 letter
and original and one copy of Change Order No. One

cc: South Cheyenne Water and Sewer District, Cheyenne
J. J. Brogger & Associates, Inc., P.O. Box 428, Limon, Colorado

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REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF HEALTH AND SOCIAL SERVICES
DIVISION OF HEALTH AND MEDICAL SERVICES
SANITARY ENGINEERING SERVICES
STATE OFFICE BUILDING
CHEYENNE, WYOMING 82001

1. PROJECT: Woodland Hills, 1st Addition Subdivision Water Supply System
Sheridan, Wyoming
2. ARCHITECT OR ENGINEER: Gerald K. Pelesky, 215 Rice Avenue, Sheridan, Wyoming
3. SANITARY ENGINEERING SERVICES REF. NO.: 73-43
4. REVIEWING ENGINEER: Frank R. Harman, P.E.
5. DATE OF REVIEW: April 19, 1973
6. ACTION: Approved with comment
7. COMMENTS:

Prior to putting the system into operation the entire distribution system shall be post-constructively chlorinated. The dosage and time is 50 ppm for at least 24 hours and bled out until a faint odor of chlorine remains.

FRH:dac

cc: District Sanitarian, District III, Gillette, Wyoming

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REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF HEALTH AND SOCIAL SERVICES
DIVISION OF HEALTH AND MEDICAL SERVICES
SANITARY ENGINEERING SERVICES
STATE OFFICE BUILDING
CHEYENNE, WYOMING 82001

1. PROJECT: B & R Mobile Home Court, 79 Unit Spaces, Reliance (Sweetwater County), Wyoming
2. ARCHITECT OR ENGINEER: Johnson, Fermelia & Crank, Inc., Rock Springs
Submitted by: Kenneth L. Ockerman, V.P. B & R, Inc.
127 Grant Street, Rock Springs, Wyoming
3. SANITARY ENGINEERING SERVICES REF. NO.: 73-44
4. REVIEWING ENGINEER: Joseph R. Tynsky, P.E.
5. DATE OF REVIEW: April 10, 1973
6. ACTION: Approved with Comments Note: APPROVED FOR 50 UNITS
7. COMMENTS:

1. Using State design codes, an analysis of the wastewater treatment facility indicates a maximum population figure for treatment as 150 people. Using approximately three people per facility, this limits the treatment capacity to ability to serve a maximum of 50 units. The second polishing cell is not considered in this primary capacity calculation. At that time additional treatment would be required before more units could be occupied. It occurs to suggest the possibility of designing an aerated lagoon over the present facility, which would conceivably minimize new construction and utilize maximum existing facilities.
2. Corporation is advised to consider the Federal requirement to obtain a permit to discharge. Information on this detail is available from:

Mr. Jim Shaw, Permits Branch
Environmental Protection Agency Region VIII
1860 Lincoln Street, Suite 900
Denver, Colorado 80203
3. Corporation is advised to formally contact Sweetwater Board of County Commissioners in order to determine applicability of any land use or zoning requirements. Similarly, coordination with U. P. is required in crossing railroad line and determining proximity of lagoons to railroad. It is desirable to utilize the maximum amount of available space east of and away from Kilpecker Creek.
4. As a staged construction plan, upgrading sewer capacity as required, this plan offers an excellent potential for an acceptable facility.

JRT:ijt

cc: Johnson, Fermelia & Crank, Inc., P.O. Box 1633, Rock Springs
Board of County Commissioners, Sweetwater County Courthouse, Green River
Pacific Power & Light, 415 N Street, Rock Springs
District Sanitarian, District I, Rock Springs

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REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF HEALTH AND SOCIAL SERVICES
DIVISION OF HEALTH AND MEDICAL SERVICES
SANITARY ENGINEERING SERVICES
STATE OFFICE BUILDING
CHEYENNE, WYOMING 82001

1. PROJECT: Shannon Heights Mobile Home Park - 25 Units, Cheyenne, Wyoming
2. ARCHITECT OR ENGINEER: None indicated; plans submitted by Mr. Adam Pauli
Route 2 Box 563, Cheyenne, Wyoming 82001
3. SANITARY ENGINEERING SERVICES REF. NO.: 73-45
4. REVIEWING ENGINEER: Frank R. Harman, P.E.
5. DATE OF REVIEW: April 20, 1973
6. ACTION: Approved with comments
7. COMMENTS:
 - 1) Adequate garbage cans shall be provided at the minimum rate of one garbage can no further than 100 feet from any unit space.
 - 2) Provide adequate yard lighting.

FRH:dac

cc: Don Pack, Sanitarian, City-County Health Unit, Cheyenne
Ed Bradley, State Fire Marshal, Cheyenne

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REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF HEALTH AND SOCIAL SERVICES
DIVISION OF HEALTH AND MEDICAL SERVICES
SANITARY ENGINEERING SERVICES
STATE OFFICE BUILDING
CHEYENNE, WYOMING 82001

1. PROJECT: CY Trailer Court, 71 Unit Spaces, Green River, Wyoming
(Owner C. Y. Rahance & Company, Rock Springs, Wyoming 82901)
2. ARCHITECT OR ENGINEER: Nelson Engineering, Consulting Engineers & Surveyors
P.O. Box 365, Green River, Wyoming 82935
3. SANITARY ENGINEERING SERVICES REF. NO.: 73-46
4. REVIEWING ENGINEER: Joseph R. Tynsky, P.E.
5. DATE OF REVIEW: April 13, 1973
6. ACTION: Approved with comments
7. COMMENTS:

1. This approval does not obviate the necessity for the owner to submit to applicable local city zoning, land use building or utility ordinances, and to secure applicable permit(s).

2. It appears that the individual water service does not include a stop and waste valve. It occurs to point out the special attention required in minimizing freezing in the riser after a disconnect is made. This is seen as a minor consideration, in reviewing the permanent aspect of the facility. Worthy of comment is the observation that special attention has been applied to result in an excellent facility design.

3. PVC sewer pipe varies in available crush strength, "Cretex" or equal brand with crush strength of not less than 1500 psf has been found prerequisite for crossing or in other load bearing locations, and preferably in the entire system.

JRT:dac

cc: District Sanitarian, District I, Rock Springs, Wyoming
D. N. Evans, Street Commissioner, Town of Green River
P.O. Box 127, Green River, Wyoming 82935
Ed Bradley, State Fire Marshal, Cheyenne

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REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF HEALTH AND SOCIAL SERVICES
DIVISION OF HEALTH AND MEDICAL SERVICES
SANITARY ENGINEERING SERVICES
STATE OFFICE BUILDING
CHEYENNE, WYOMING 82001

1. PROJECT: K.O.A. Kampground Trailer Park for 45 trailers, 31 pick-up campers and 12 tenting units, Fort Laramie, Wyoming
2. ARCHITECT OR ENGINEER: None indicated on plans; submitted by Russell Bovaird P.O. Box 120, Wheatland, Wyoming 82201
3. SANITARY ENGINEERING SERVICES REF. NO.: 73-47
4. REVIEWING ENGINEER: Frank R. Harman, P.E.
5. DATE OF REVIEW: April 19, 1973
6. ACTION: Not approved pending receipt of information on undermentioned items.
7. COMMENTS:

1. Post constructional disinfection

Prior to putting the water system into operation, the distribution system shall be disinfected with a dose of 50 ppm of chlorine for at least 24 hours and bled out till only a slight trace of smell exists.

2. Wastewater Treatment Plant

Owner should get a warranty or performance bond from the manufacturers that this plant will indeed put out a secondary effluent. A copy of this bond should be sent to this office.

FRH: dac

cc: District Sanitarian, District III, Gillette, Wyoming

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REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF HEALTH AND SOCIAL SERVICES
DIVISION OF HEALTH AND MEDICAL SERVICES
SANITARY ENGINEERING SERVICES
STATE OFFICE BUILDING
CHEYENNE, WYOMING 82001

1. PROJECT: K.O.A. Kampground Trailer Park for 45 Trailers, 31 Pickup Campers and 12 Tenting Units; Fort Laramie, Wyoming
2. ARCHITECT OR ENGINEER: Submitted by EnvirO₂Treat, Inc, 5995 E. Evans Ave. Denver 80222 for owner: Russell Bovaird, P.O. Box 120, Wheatland, Wyoming 82201
3. SANITARY ENGINEERING SERVICES REF. NO.: 73-47R
4. REVIEWING ENGINEER: Frank R. Harman, P.E.
5. DATE OF REVIEW: April 30, 1973
6. ACTION: Approved
7. COMMENTS:

FRH:ijt

cc: Malcolm Crawford, District Sanitarian, Gillette
Jack Sampson, EnvirO₂Treat, Inc., 5995 East Evans Avenue, Denver
Ed Bradley, State Fire Marshal, Cheyenne
Enclosure: Plans for Referenced Project

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
State Office Building
Cheyenne, Wyoming 82002

PROJECT: Western Hills Developing Company Mobile Home Park, 60 unit spaces,
Modification of Existing Waste Lagoon, Sweetwater County, Wyoming.

ARCHITECT OR ENGINEER: Submitted by Attorney John A. Zebre of Greenhalgh, Bussart
& Zebre, Attorneys at Law, P. O. Box 86, Rock Springs, Wyoming 82901.

WATER QUALITY DIVISION REFERENCE NUMBER: 73-48R

REVIEWING ENGINEER: Roy E. Prior, E.I.T., and Paul C. Schwieger, P.E.

DATE OF REVIEW: January 15, 1975

ACTION: Authorized to proceed with construction plans contingent upon comments.

COMMENTS:

This is not an authorization to construct but a review of two proposals to
modify the present facilities.

Both Plan A and Plan B are feasible methods for treating wastewater.

There are several considerations that should be given when you submit either
Plan A or Plan B.

1. We are reviewing the facility as it was proposed in the original plan
review, i.e.: 60 unit spaces. If you plan on enlarging your trailer park beyond
60 unit spaces, you will be required to resubmit your plans for the park including
Plan A and Plan B to Phillip Hughes, District Sanitarian, Rock Springs.

2. If the treatment facility is going to handle any other facility other than
the original 60 units, submit data on all additional sources.

3. A copy of all lease or right-of-way agreements should be included with
either proposal.

4. It should also be noted that as of February 1975, all plans and specifications
submitted shall carry the seal or signature of the designing engineer.

5. Plans and Specifications must be submitted 60 days before construction
commences.

6. The present facility will need upgrading, i.e.: complete drawings that
show grades, volume, dimensions, inlet and outlets structures and what will be
done to bring it up to standards.

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Modification of Existing Waste Lagoon, Sweetwater County, Wyoming.

ARCHITECT OR ENGINEER: Submitted by Attorney John A. Zebre of Greenhalgh, Bussart
& Zebre, Attorneys at Law, P. O. Box 86, Rock Springs, Wyoming 82901

WATER QUALITY DIVISION REFERENCE NUMBER: 73-48R

REVIEWING ENGINEER: Roy E. Prior, E.I.T., and Paul C. Schwieger, P.E.

DATE OF REVIEW: January 15, 1975

ACTION:

COMMENTS:

(continued)

Due to the proximity of the present lagoon to the mobile home park, and the fact that the original plan review (dated April 17, 1973) requested that the lagoon be fenced, March 30, 1975 is too much time allowance to wait for fencing of the lagoon. It is requested that fencing be completed by March 1, 1975. The fence should be signed to indicate the type of facility and to keep out.

REP:jk
1/21/75

cc: Phillip Hughes, District Sanitarian, Rock Springs.

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REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF HEALTH AND SOCIAL SERVICES
DIVISION OF HEALTH AND MEDICAL SERVICES
SANITARY ENGINEERING SERVICES
STATE OFFICE BUILDING
CHEYENNE, WYOMING 82001

1. PROJECT: Western Hills Developing Company Mobile Home Park, 60 Unit Spaces
Sweetwater County, Wyoming
2. ARCHITECT OR ENGINEER: Johnson, Fermelia & Crank, Inc., Consulting Engineers
P.O. Box 1633, Rock Springs, Wyoming 82901
3. SANITARY ENGINEERING SERVICES REF. NO.: 73-48
4. REVIEWING ENGINEER: Joseph R. Tynsky, P.E.
5. DATE OF REVIEW: April 17, 1973
6. ACTION: Approved with comments
7. COMMENTS:

1. Individual water & sewer connections are not shown. However, if the standard details regularly designed by the engineer are used, they would be acceptable. Owner is requested to verify this.

2. Owner is urged to insure that he has met applicable Sweetwater County land use or other requirements in designing and locating this facility.

3. Refuse generated from such a facility can be significant. Owner should coordinate with Sweetwater County Engineer toward the possibility of utilizing County disposal site south of this facility on Hiway 373. Alternatively, a site is required selected which is:

- a) One-half mile from public roadway
- b) One-half mile from dwelling
- c) Does not pollute runoff water
- d) Does not burn

4. Oxidation pond design is adequate for 60 sites. If additional spaces are considered added, prior approval will be required. Engineer should clarify inlet/outlet and depth details prior to construction. The pond is uncomfortably close to residential area, but provided the owner realizes this condition, it is not specifically disapprovable. Also this has been found in similar cases to be no disadvantage. Fencing is mandatory and should be verified. Also, should the pond overflow, this condition will require a federal discharge permit, information for securing one is from:

Jim Shaw, EPA Region VIII
1860 Lincoln Street Suite 900
Denver, Colorado 80203

JRT:dac

cc: District Sanitarian, District I, Rock Springs
Ed Bradley, State Fire Marshal, Cheyenne
Board of County Commissioners, County Courthouse, Green River, Wyoming

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REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF HEALTH AND SOCIAL SERVICES
DIVISION OF HEALTH AND MEDICAL SERVICES
SANITARY ENGINEERING SERVICES
STATE OFFICE BUILDING
CHEYENNE, WYOMING 82001

1. PROJECT: Shell Waterusers, Inc., Water Pipe Line, Preliminary Plan, Shell, Wyoming
2. ARCHITECT OR ENGINEER: Mueller Engineering, Inc., Plaza Office Building A, Suite 7, 1629 Avenue D, Billings, Montana 59102
3. SANITARY ENGINEERING SERVICES REF. NO.: 73-49
4. REVIEWING ENGINEER: Robert H. Pinther, P.E.
5. DATE OF REVIEW: April 17, 1973
6. ACTION: Preliminary Plan Approved with Comments
7. COMMENTS:
 1. The failure to provide a water storage facility represents a potentially serious health hazard due to the possible contamination of the system by back siphonage through cross-connections at such time as the supply of water from the Greybull pipe line may be interrupted or the pressure greatly reduced due to heavy usage downstream.
 2. Final plans will be approved without water storage only with the understanding that adequate storage will be provided prior to extension of the distribution system or adding additional water users.

RHP:ijt

cc: William George, District Sanitarian, Worland

Farm Home Administration, Casper

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REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF HEALTH AND SOCIAL SERVICES
DIVISION OF HEALTH AND MEDICAL SERVICES
SANITARY ENGINEERING SERVICES
STATE OFFICE BUILDING
CHEYENNE, WYOMING 82001

1. PROJECT: Shell Water Users, Inc., Water Pipe Line, Shell, Wyoming
2. ARCHITECT OR ENGINEER: Harry A. Schmitt, P.E., Mueller Engineering, Inc.
Plaza Office Building, Suite 5, 1629 Avenue D
Billings, Montana 59102
3. SANITARY ENGINEERING SERVICES REF. NO.: 73-49R
4. REVIEWING ENGINEER: Robert H. Pinther, P.E.
5. DATE OF REVIEW: May 31, 1973
6. ACTION: Approval will be given upon receipt of satisfactory change orders or addenda covering comments #1-4 listed below and
7. COMMENTS: discussed by phone on this date with Mr. Harry Schmitt of Mueller Engineering.
 1. Submit a detail of a typical air release valve installation. The open end of the air-relief pipe should extend as high as practical and be provided with a screened, downward facing elbow.
 2. Specify that "every precaution shall be taken to prevent foreign material from entering the pipe during laying" and "at times when pipe laying is not in progress, the open ends shall be closed by a water-tight plug or other means approved by the engineer."
 3. The disinfection procedure should include a minimum 24 hour contact of the interiors of all piping and appurtenances with a solution containing an initial concentration of at least 50 parts per million available chlorine with a minimum of 25 parts per million remaining in the water throughout the length of the water main at the end of the 24 hour period.
 4. The "flushing valves" shall not be of the stop-and-waste type.
 5. Final plans will be approved without water storage only with the understanding that adequate storage will be provided prior to extension of the distribution system or adding additional water users.
 6. It is determined by this office that this water system will not result in the pollution of Wyoming waters in excess of established standards

RHP:ijt

cc: Bill George, District Sanitarian, Worland
Farmers Home Administration, Casper

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REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF HEALTH AND SOCIAL SERVICES
DIVISION OF HEALTH AND MEDICAL SERVICES
SANITARY ENGINEERING SERVICES
STATE OFFICE BUILDING
CHEYENNE, WYOMING 82001

1. PROJECT: Shell Water Users, Inc., Water Pipeline, Shell, Wyoming
2. ARCHITECT OR ENGINEER: Mr. Harry A. Schmitt, P.E., Mueller Engineering, Inc.,
Plaza Office Building, Suite 5, 1629 Avenue D, Billings, Mont.
3. SANITARY ENGINEERING SERVICES REF. NO.: 73-49RR
4. REVIEWING ENGINEER: Robert H. Pinther, P.E.
5. DATE OF REVIEW: 6-26-73
6. ACTION: Approved with comments
7. COMMENTS:
 1. Final plans are approved without water storage only with the understanding that adequate storage will be provided prior to extension of the distribution system or the adding of additional water users. Any proposal by individuals or groups to pump water directly from the distribution system should not be permitted.
 2. It is determined by this office that this water system will not result in the pollution of Wyoming waters in excess of established standards.

RHP:dac

cc: Conrad Nelson, President, Shell Water Users, Inc., Box 20, Shell, Wyoming
Bill George, District Sanitarian, District II, Worland, Wyoming
Farmers Home Administration, Casper, Wyoming

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REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF HEALTH AND SOCIAL SERVICES
DIVISION OF HEALTH AND MEDICAL SERVICES
SANITARY ENGINEERING SERVICES
STATE OFFICE BUILDING
CHEYENNE, WYOMING 82001

1. PROJECT: Antelope Butte Ski Area (Fun Valley, Inc.) Sewage Treatment Facility
Big Horn National Forest, Paint Rock District, Big Horn County, Wyoming
2. ARCHITECT OR ENGINEER: Mr. Russ Donley, Western Engineers - Architects, Inc.
2111 East 2nd, Casper, Wyoming
3. SANITARY ENGINEERING SERVICES REF. NO.: 73-50
4. REVIEWING ENGINEER: William L. Garland, Public Health Engineer
5. DATE OF REVIEW: June 15, 1973
6. ACTION: Approved with comments
7. COMMENTS:
 1. The size of sewer line for trailer connection should be indicated on the appropriate detail sheet. The minimum recommended size could be 6" diameter pipe.
 2. A detail should be provided showing the sewer connection at the lodge and the slope of the sewer line to MH#2.
 3. When the building housing the chlorination equipment is also used in conjunction with other functions, the chlorine chamber should be separated from the rest of the building by a gas-tight partition. An additional outside doorway would have to be provided to the remaining portion of the building. This not only enhances safety conditions but provides protection from corrosion on additional equipment, from any free chlorine gas.
 4. It is recommended that consideration be given to the inclusion of a detention pond in the treatment system. This pond should be of sufficient size as to reduce the chlorine residual to a level which will cause no adverse effects to fish or aquatic life, prior to discharging into Granite Creek.
 5. Public Law 92-500 commonly known as the Federal Water Pollution Control Act Amendments of 1972, requires all persons or facilities which discharge wastewater to apply for a permit to discharge those wastewaters. This law further states that any new facility shall apply for a permit to discharge 180 days prior to discharging the wastewater.

The proper application form and instructions are enclosed. The application should be completed to the best of your knowledge and mailed as soon as possible to:

Permits Branch
U.S. Environmental Protection Agency
Region VIII
1860 Lincoln Street Suite 900
Denver, Colorado 80203

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WYOMING DEPARTMENT OF HEALTH AND SOCIAL SERVICES
DIVISION OF HEALTH AND MEDICAL SERVICES
SANITARY ENGINEERING SERVICES
STATE OFFICE BUILDING
CHEYENNE, WYOMING 82001

1. PROJECT: **Antelope Butte Ski Area (Fun Valley Inc.) Sewage Treatment Facility**
2. ARCHITECT OR ENGINEER: **Western Engineers - Architects, Inc.**
3. SANITARY ENGINEERING SERVICES REF. NO.: **73-50**
4. REVIEWING ENGINEER: **William L. Garland, Public Health Engineer**
5. DATE OF REVIEW: **June 15, 1973**
6. ACTION: **Approved with comments**
7. COMMENTS:

Also enclosed for your information are the proposed effluent standards for waste discharges.

In light of the pending effluent standards and the current legislation controlling discharges, it is felt that serious consideration be given to constructing an evaporation pond for complete retention. This would alleviate any potential problems in terms of fish and aquatic life and would not require a permit to discharge.

WLG:dac

cc: Antelope Butte Ski Area (Fun Valley Inc.), Box 551, Greybull, Wyoming
District Sanitarian, District II, Worland, Wyoming
United States Forest Service, Big Horn National Forest, Sheridan, Wyoming

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF HEALTH AND SOCIAL SERVICES
DIVISION OF HEALTH AND MEDICAL SERVICES
SANITARY ENGINEERING SERVICES
STATE OFFICE BUILDING
CHEYENNE, WYOMING 82001

1. PROJECT: *Colt's Hill site area (Fair Valley, Wyo.)
Sewage Treatment Plant, P.O. Box 12000*
2. ARCHITECT OR ENGINEER: *Washburn, Oregon*
3. SANITARY ENGINEERING SERVICES REF. NO.: *73-50R*
4. REVIEWING ENGINEER: *W. E. Carlson*
5. DATE OF REVIEW:
6. ACTION: *No Action Necessary.*
7. COMMENTS:

*W. E. Carlson said No Action Necessary
at this time. Engineer Washburn had
talked to District Engineer by phone
regarding this.*

*8-15-73 complaint letter
with 73-50 plans.*